ALPI-00808

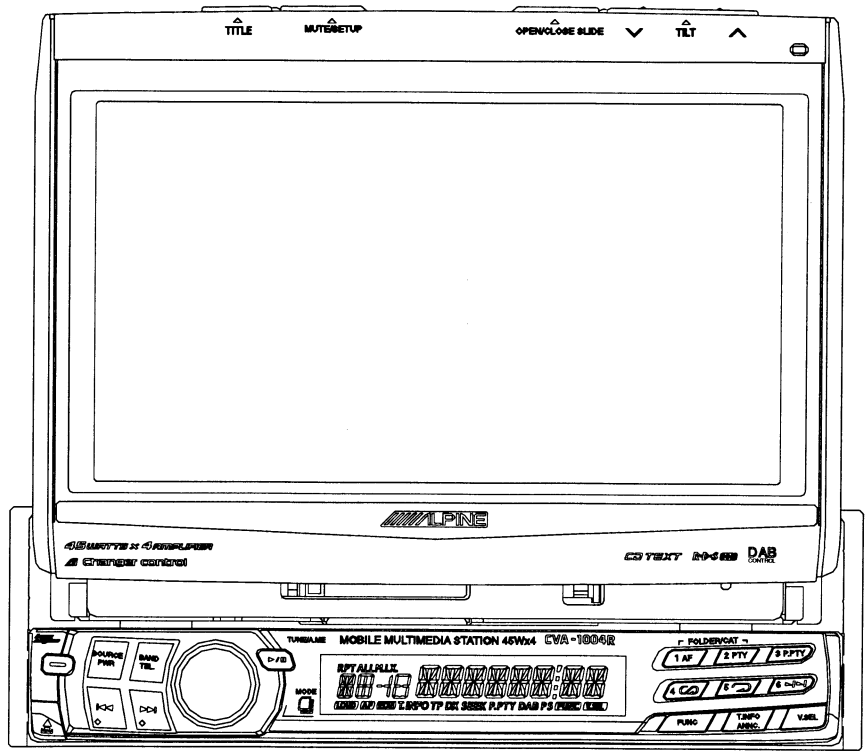
ALPINE

SERVICE MANUAL

MOBILE MULTIMEDIA STATION

DAB CONTROL

Caution : The part marked with ⚠ is generating a high Voltage, so care will be necessary when working.



(CVA-1004R)

3 / 03-A
68E35501S01

CVA-1004R /CVA-1004RR

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.
*The symbols indicate caution is needed to prevent injuries and damage to property.
The symbols and their meanings follow.

Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

*The following symbols indicate two levels of cautions.

	When you see this symbol, you have to be very careful.
	When you see this symbol, you have to follow the instructions there.

Warning

Do not look squarely into the laser light coming from the pickup. You may loose you sight.	**Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

Caution

Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	**Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
High Temperature Caution Touching the heat sink may cause severe burns.	**Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	**Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
Soldering Caution Hot solder from solder splash may cause severe burns.	**Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

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Attention in Assembling

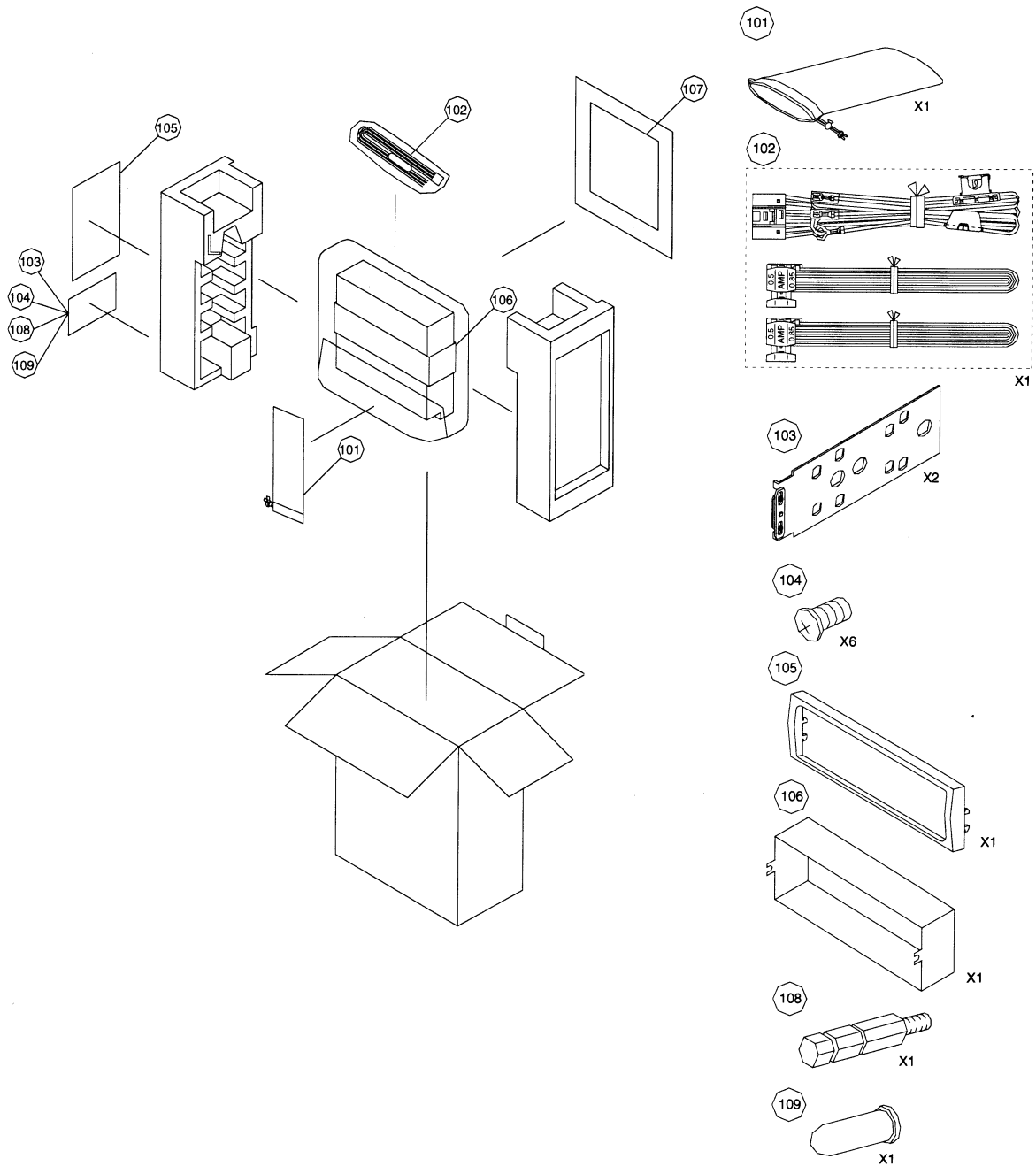
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101	15B03202K01	CARRING,BAG
102	01E35519S01	ASS'Y WIRE PWR
103	07B03203K01	BKT,STOPPER ASS'Y
104	03A31982Y01	SCR M4X5 FLAT
105	33C03201K01	FACE,PLATE
106	15D03200K01	CASE,INNER
107	68P02294K66	OWNERS MANUAL(RO/RR)
108	03E27739S01	BOLT HEX M5(A)
109	75E28553S01	CAP RUBBER

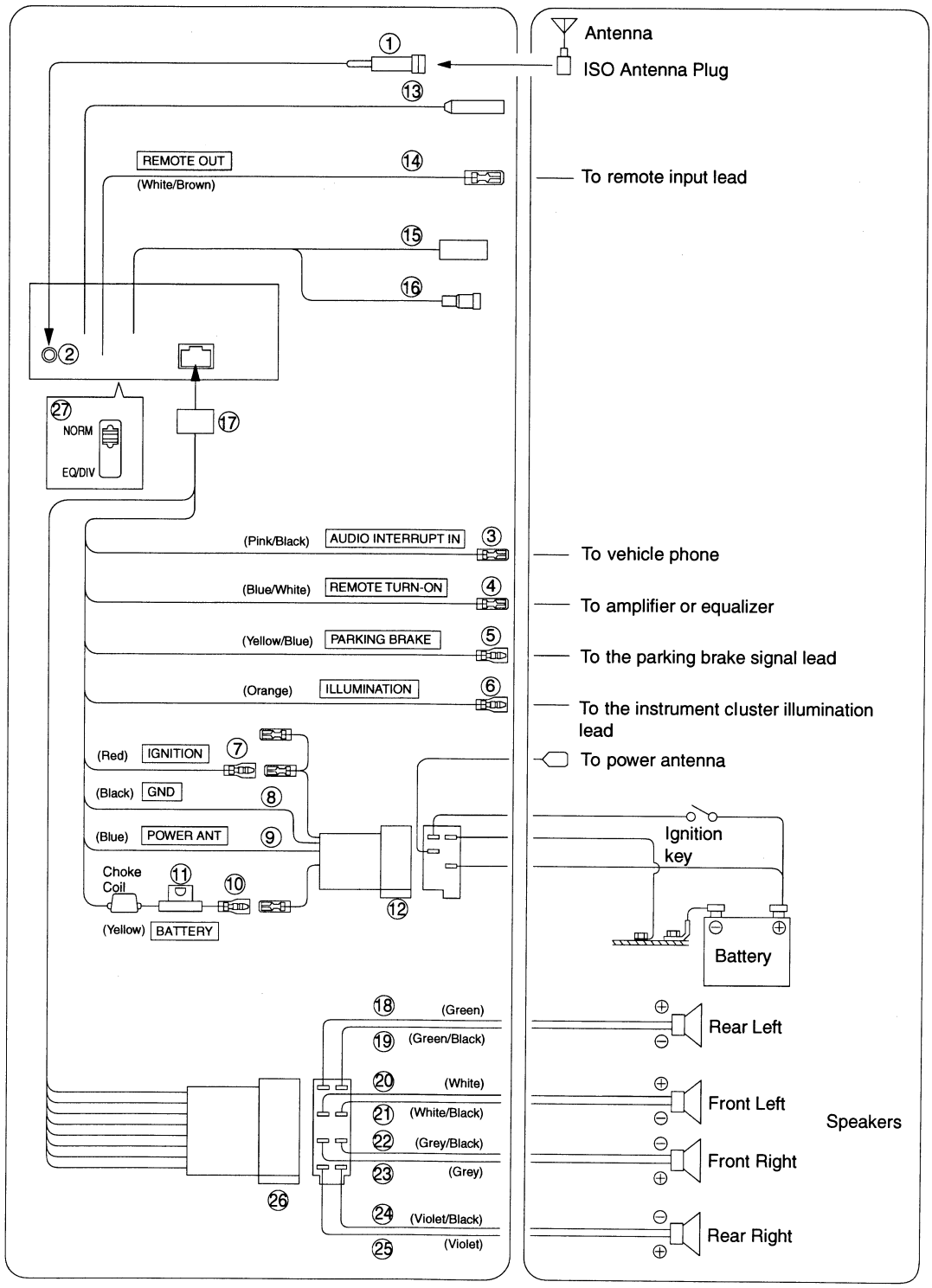
Symbol No.	Part No.	Description

Packing Method View



System Connections

<Basic Connections>



① **ISO Antenna Converter Plug**

② **Antenna Receptacle**

③ **Audio Interrupt In Lead (Pink/Black)**
Connect this lead to the Audio Interface output of a cellular phone which provides ground shorting when a call is received.
If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.

④ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑤ **Parking Brake Lead (Yellow/Blue)**
Connect this lead to the power supply side of the parking brake switch to transmit the parking brake status signals to the CVA-1004R/CVA-1004RR.

⑥ **Illumination Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead.This will allow the backlighting of the CVA-1004R/CVA-1004RR to dim whenever the vehicle's lights are turned on.

⑦ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.

⑧ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑨ **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.

NOTE
This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier or a signal processor, etc.

⑩ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

⑪ **Fuse Holder (15A)**

⑫ **ISO Power Supply Connector**

⑬ **Remote Control Interface Connector**
To remote control interface box.

⑭ **Remote Control Output Lead (White/Brown)**
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

⑮ **RGB Input Connector**

⑯ **Ai-NET Cable**

⑰ **Power Supply Connector**

⑱ **Left Rear (+) Speaker Output Lead (Green)**

⑲ **Left Rear (–) Speaker Output Lead (Green/ Black)**

⑳ **Left Front (+) Speaker Output Lead (White)**

㉑ **Left Front (–) Speaker Output Lead (White/Black)**

㉒ **Right Front (–) Speaker Output Lead (Grey/ Black)**

㉓ **Right Front (+) Speaker Output Lead (Grey)**

㉔ **Right Rear (–) Speaker Output Lead (Violet/ Black)**

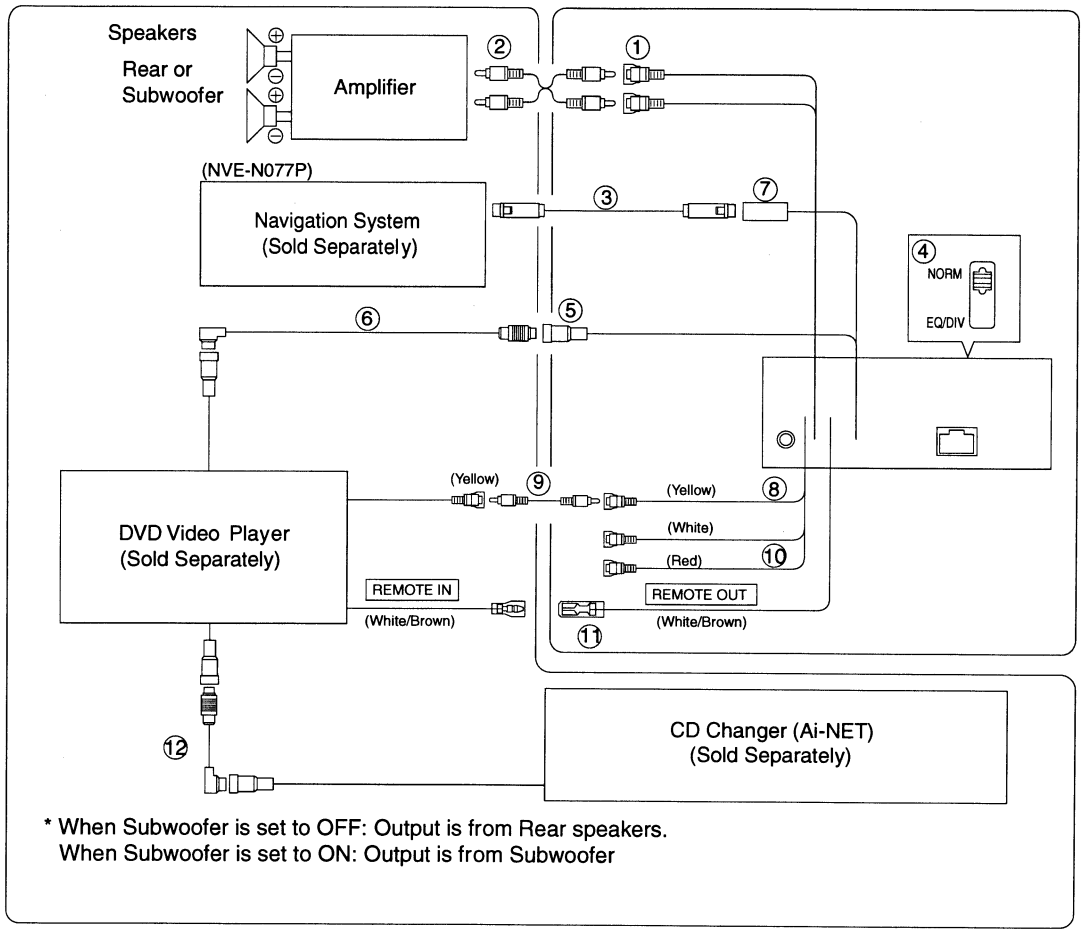
㉕ **Right Rear (+) Speaker Output Lead (Violet)**

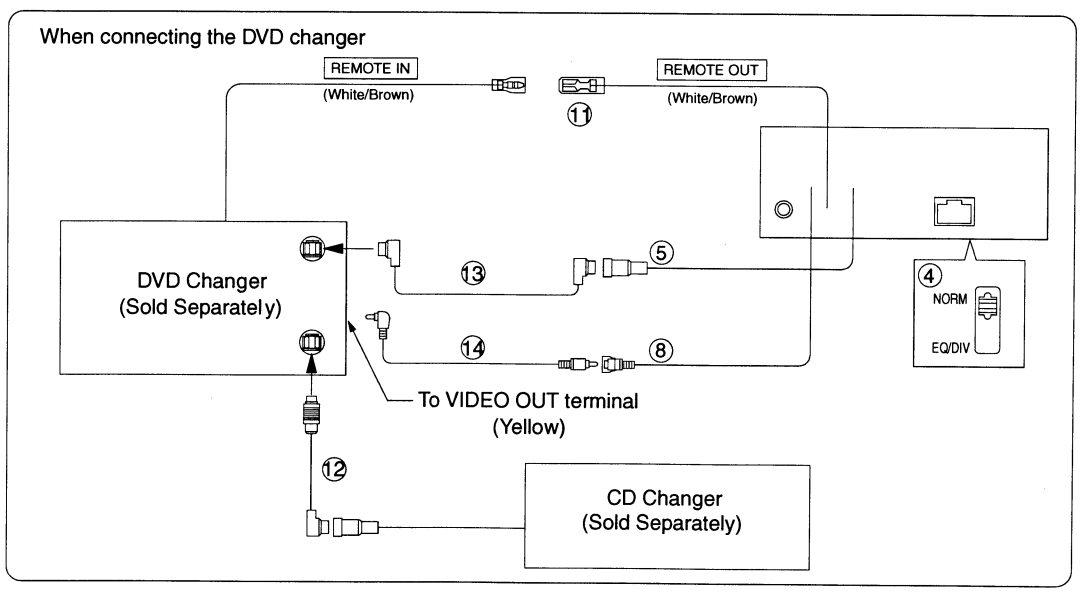
㉖ **ISO Connector (Speaker Output)**

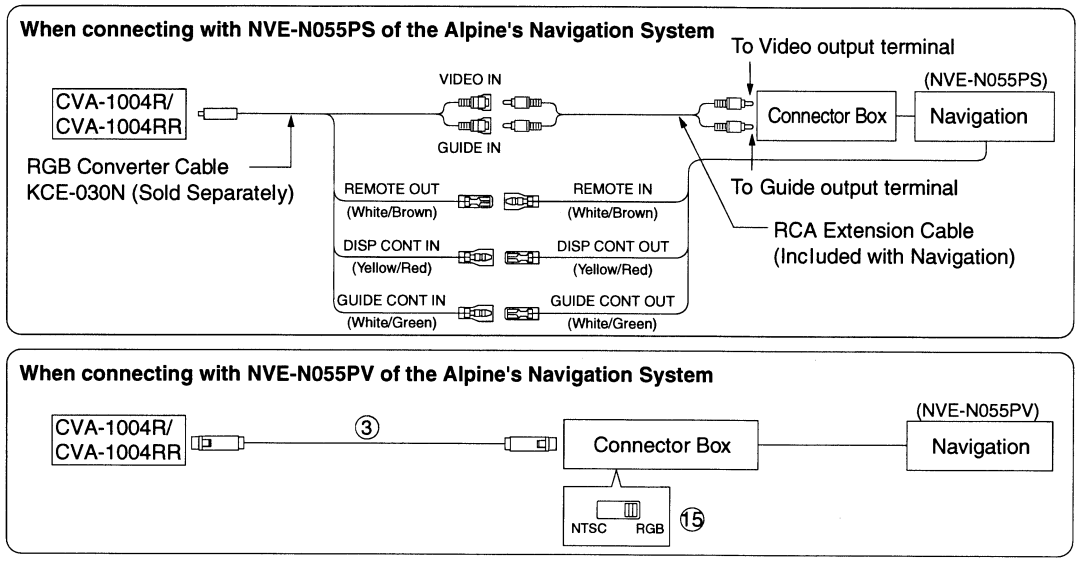
㉗ **System Switch**
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position.When no device is connected, leave the switch in the NORM position.

NOTE
Be sure turn the power off to the unit before changing the switch position.

<System Example 1: Refer also to Basic Connections.>







① **Rear/Subwoofer Output RCA Connectors**
RED is right and WHITE is left.

② **RCA Extension Cable (Sold Separately)**

③ **RGB Cable (Included with Navigation)**

④ **System Switch**
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

NOTE
Be sure turn the power off to the unit before changing the switch position.

⑤ **Ai-NET Connector**
Connect this to the output or input connector of other product equipped with Ai-NET.

⑥ **Ai-NET Cable (Included with DVD video player)**

⑦ **RGB Input Connector**
Connect to the RGB output terminal of the navigation system.

⑧ **AUX Video Input (AUX1) Connector**
Connect the video output lead of a DVD video player or DVD changer to this terminal.

⑨ **RCA Extension Cable (Included with DVD Video Player)**

⑩ **AUX Audio Input (AUX1) Connectors**
(not used for this system)

⑪ **Remote Control Output Lead (White/Brown)**
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

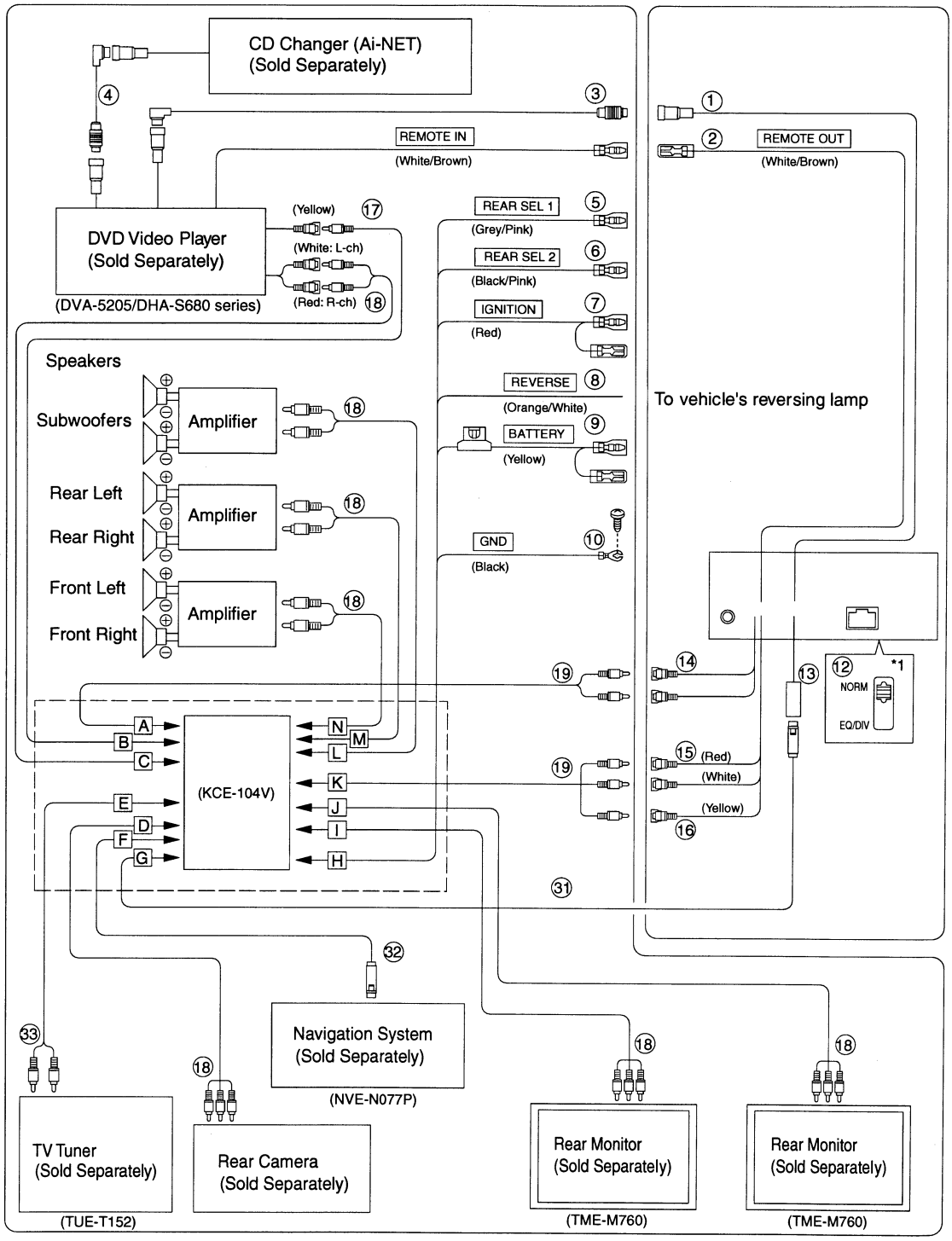
⑫ **Ai-NET Cable (Included with CD Changer)**

⑬ **Ai-NET Cable (Included with DVD Changer)**

⑭ **RCA Extension Cable (Included with DVD Changer)**

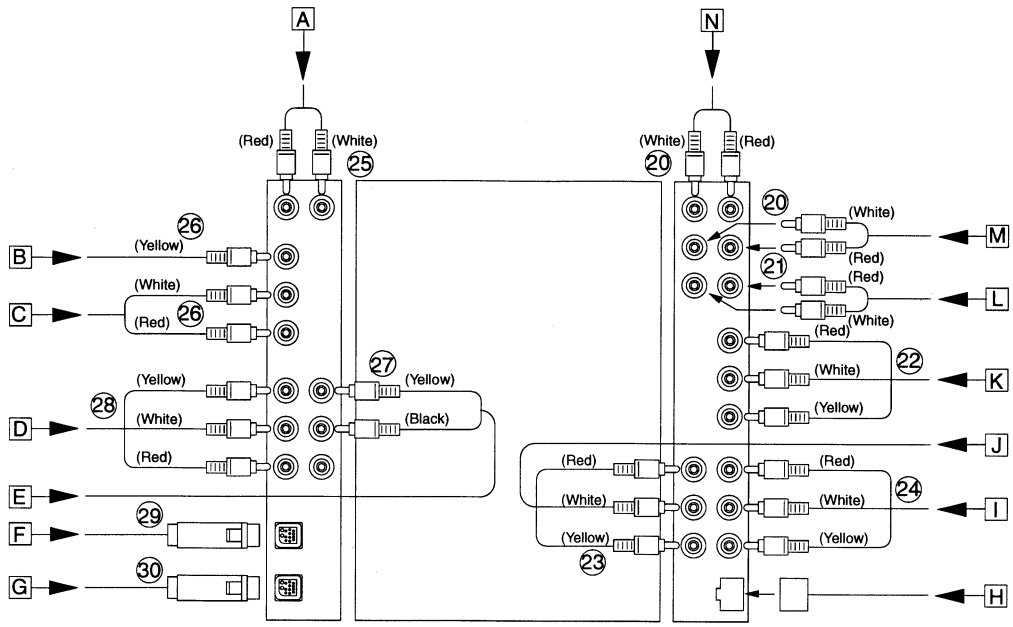
⑮ **RGB/NTSC Output Switch**
To display the picture of Navigation system on the external monitor, place the switch in the NTSC Output position.

<System Example 2 (connecting to the optional KCE-104V): Refer also to Basic Connections.>



NOTE : *1 Be sure turn the power off to the unit before changing the switch position.

Detail of the expansion box KCE-104V (sold separately)



① **Ai-NET Connector**
Connect this to the output or input connector of other product equipped with Ai-NET.

② **Remote Control Output Lead (White/Brown)**
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

③ **Ai-NET Cable (Included with DVD video player)**

④ **Ai-NET Cable (Included with CD Changer)**

⑤ **Rear Select 1 Lead (Grey/Pink)**
Connect this lead to the ground lead with a push switch, etc.

⑥ **Rear Select 2 Lead (Black/Pink)**
Connect this lead to the ground lead with a push switch, etc.

⑦ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.

⑧ **Reverse Lamp Signal Input Lead (Orange/White)**
Used to automatically switch to the rear camera input. Connect this lead to the positive side of the vehicle's reverse lamp. The video input will automatically switch to the rear camera whenever the vehicle is backing up.

⑨ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

⑩ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑪ **Fuse Holder (7.5A)**

⑫ **System Switch**
When connecting an equalizer or divider using Ai-NET feature, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

⑬ **RGB Input Connector**
Connect to the RGB output terminal of the KCE-104V.

⑭ **Rear/Subwoofer Output RCA Connectors**
RED is right and WHITE is left.

⑮ **AUX Audio Input (AUX1) Connectors**

⑯ **AUX Video Input (AUX1) Connector**

⑰ **RCA Extension Cable (Included with DVD video player)**

⑱ **RCA Extension Cable (Sold Separately)**

⑲ **RCA Extension Cable (Included with the KCE-104V)**

⑳ **To Front/Rear PREOUT Terminals of the KCE-104V**

㉑ **To Subwoofer Terminals of the KCE-104V**

㉒ **Connect to the AUX Input (AUX1) Connectors of the CVA-1004R/CVA-1004RR**

㉓ **To AUX1 Output Terminals of the KCE-104V**

㉔ **To AUX2 Output Terminals of the KCE-104V**

㉕ **To Sound Input Terminals of the KCE-104V (from the CVA-1004R/CVA-1004RR)**

㉖ **To AUX Input1 Terminals of the KCE-104V**

㉗ **To AUX Input2 Terminals of the KCE-104V**

㉘ **To AUX Input3 Terminals of the KCE-104V**

㉙ **Connect to the RGB Terminal of the Navigation System**

㉚ **Connect to the RGB Input Terminal of the CVA-1004R /CVA-1004RR**

㉛ **RGB Cable (Included with the KCE-104V)**

㉜ **RGB Cable (Included with Navigation System)**

㉝ **RCA Extension Cable (Included with the TUE-T152)**

Specifications

<Monitor SECTION>

Screen Size 6.5-type
Display System ..... Transparent type TN LCD
Drive System ..... TFT active matrix
Number of Picture Elements ..... 280,800 pcs. (1,200 x 234)
Light Source ..... U-shaped cold cathode fluorescent tube

<Tuner SECTION - FM RADIO>

Intermediate Frequency ..... 10.7±0.1MHz
Frequency Range ..... 87.5 to 108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz) 20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz) 21.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz) ..... 28±10dB
S/N Ratio (at 98.1MHz) ..... Stereo : 55dB
Mono : 58dB
Image Rejection (at 106.1MHz) 40dB
IF Rejection (at 90.1MHz) 60dB
Distortion (Input 60dBu, at 98.1MHz) 1%
Frequency Response (Ref. 400Hz, at 98.1MHz) ..... 100Hz : 0±3dB
10kHz : -10±3dB
Stereo Separation (1kHz, at 98.1MHz) 20dB
PS Sensitivity (at 98.1MHz) 36.2dBf

<Tuner SECTION - MW RADIO>

Intermediate Frequency ..... 1st. : 10.7MHz
2nd. : 450kHz
Frequency Range ..... 531 to 1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz) 36dB
S/N Ratio (at 999kHz) 44dB
Image Rejection (at 1,404kHz, 2nd. IF) 50dB
IF Rejection (at 603kHz, 2nd. IF) 60dB
Distortion (at 999kHz) 1.5%
Frequency Response (Ref. 400Hz, at 999kHz) ..... 100Hz : -3±4dB
2.5kHz : -3±4dB

<Tuner SECTION - LW RADIO>

Intermediate Frequency ..... 1st. : 10.7MHz
2nd. : 450kHz
Frequency Range ..... 153 to 281kHz
Usable Sensitivity (20dB S/N, at 216kHz) 42dB
S/N Ratio (at 216kHz) 44dB
Image Rejection (at 270kHz, 2nd. IF) 50dB
IF Rejection (at 162kHz, 2nd. IF) 60dB
Distortion (at 216kHz) 1.5%
Frequency Response (Ref. 400Hz, at 216kHz) ..... 100Hz : -3±4dB
2.5kHz : -3±4dB

<GENERAL>

Signal System ..... PAL System

Power Supply ..... DC14.4V (11 to 16V allowable)

Power Output (Ref. CD 1kHz, 0dB (TCD-782, No.2), T.H.D. 10%) /Impedance 18W/ch/4ohm

Pre Output (Ref. CD 1kHz, 0dB (TCD-782, No.2), T.H.D. 1%) /Impedance ..... REAR : 2V±2.5dBV/ch/10kohm

Back-up Current (ACC OFF 30Sec. After) 5mA

Dimensions (W x H x D) ..... Chassis : 178 x 50 x 165mm

Nose (Closed) : 170 x 46.2 x 28.5mm

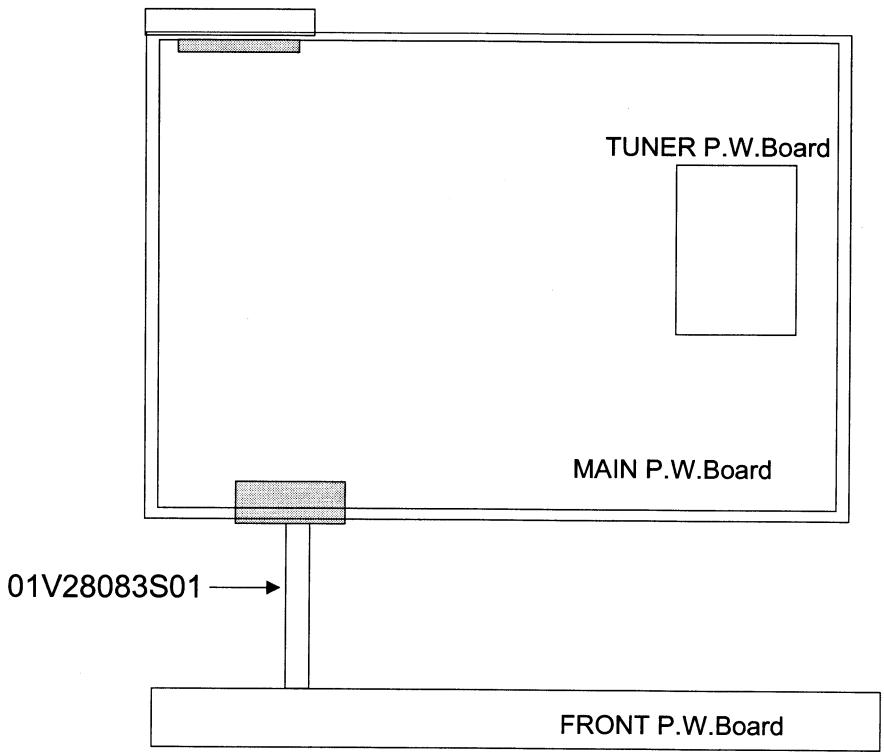
Nose (Maximum Projected Position) : 170 x 46.2 x 153mm

Weight 2.1kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Extension Cable

* When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



Specification Explanation

1. Cancellation of AUX Regulation (Parking Wire)

(1) HAND : L

2. Soft Version (Check Sum)

Push "SOURCE/PWR" Key and "F5" Key at the same time.

3. Elimination of EEP-ROM Memory

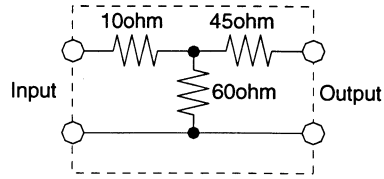
After pushing "SOURCE/PWR" Key and "CHG/R.SEL" Key at the same time, push "PLAY/PAUSE/TUNE/A.ME" more than 3 seconds, and confirm by ACC OFF/ON.

Adjustment Procedures

1. TUNER Adjustment

-1. FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator Figure 1

(2) Connection

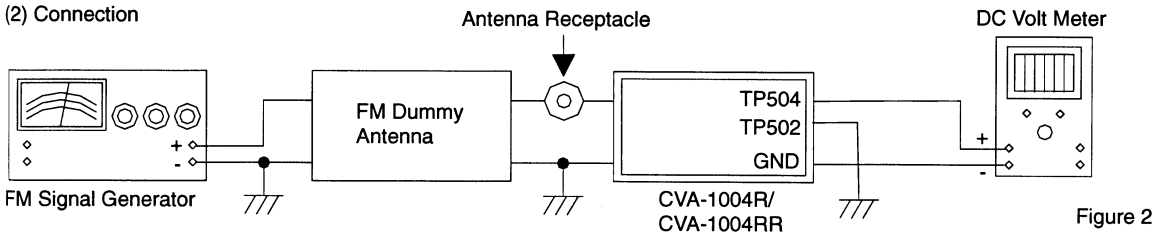


Figure 2

(3) Control Settings

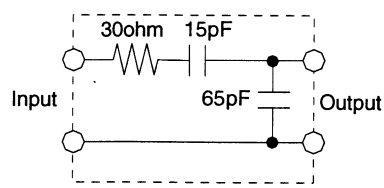
Fader Control	Center Position	Bass Control	Center Position
Balance Control	Center Position	Band Switch	FM
Treble Control	Center Position	Others	OFF

(4) Adjustment Procedores

Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	FM Adjustment	Figure 2	87.5MHz, 26dBuV (Mod. OFF, MONO, 40KHz(53.8%), Pilot(19KHz) : 6.0KHz(8%))	87.5MHz	TP502 (4-A) TP504 (4-A)	Auto Adjustment : After setting upof Signal Genarator, short GND and TP502. (SPEC) TP504 : 1.5±0.05V

-2. MW/LW SECTION

(1) Dummy Antenna Circuit



For 50 ohm AM Signal Generator Figure 3

(2) Connection

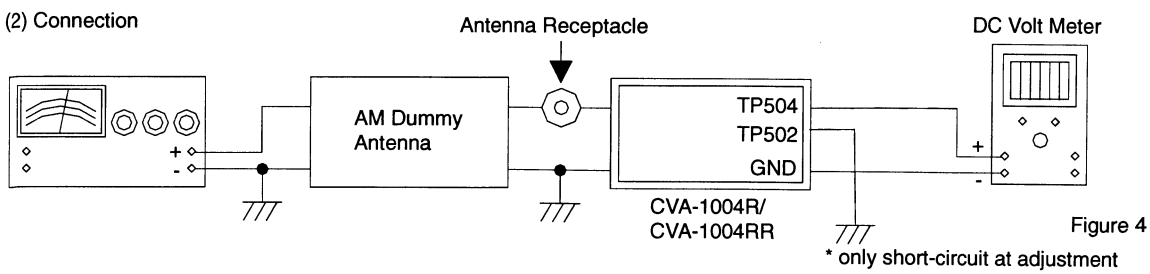


Figure 4

* only short-circuit at adjustment

(3) Control Settings

Fader Control	Center Position	Bass Control	Center Position
Balance Control	Center Position	Band Switch	MW/LW
Treble Control	Center Position	Others	OFF

(4) Adjustment Procedores

Step	Description	Connection	Signal Generator	Dial Control	Test Point / P.W.Board Coordinates	Adjustment
1	MW Adjustment	Figure 4	999KHz, 33dBuV (Mod. OFF, MONO, 30%)	999KHz	TP502 (4-A) TP504 (4-A)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP502. (SPEC) TP504 : 1.0±0.05V
2	LW Adjustment	Figure 4	216KHz, 33dBuV (Mod. OFF, MONO, 30%)	216KHz	TP502 (4-A) TP504 (4-A)	Auto Adjustment : After setting up of Signal Genarator, short GND and TP502. (SPEC) TP504 : 1.0±0.05V

2. VIDEO Adjustment

(1) Connection

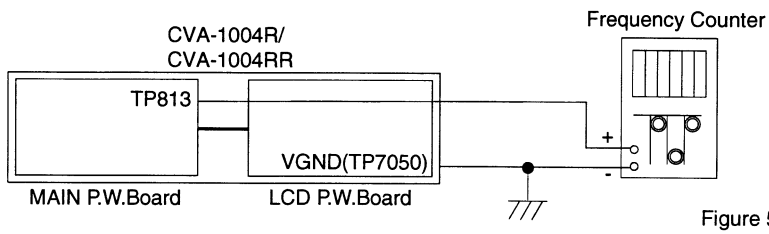


Figure 5

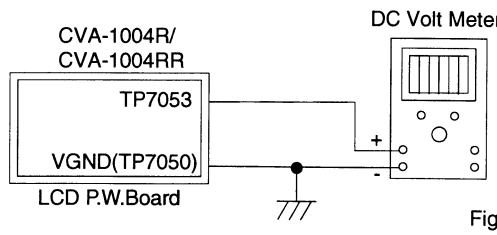


Figure 6

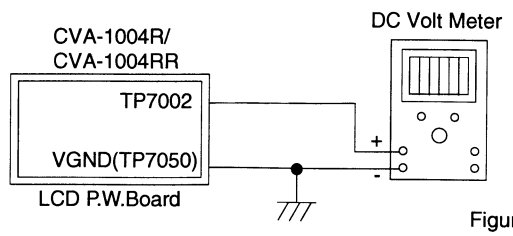


Figure 7

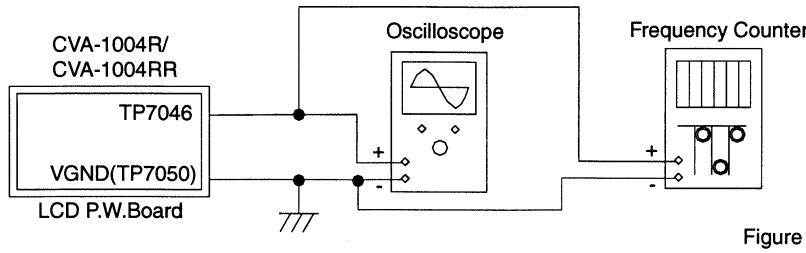


Figure 8

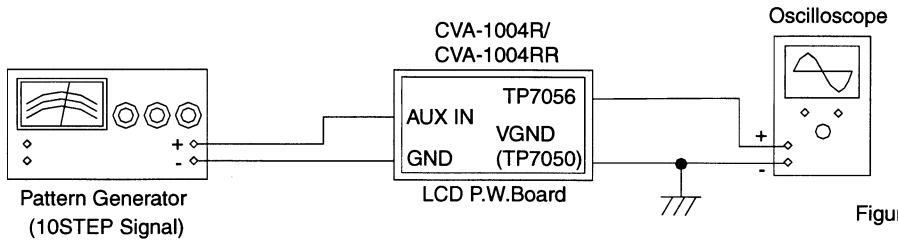


Figure 9

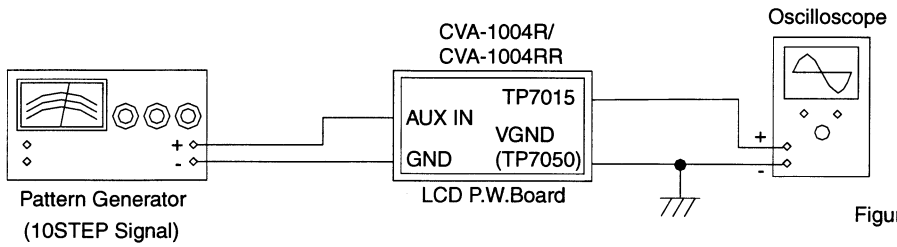


Figure 10

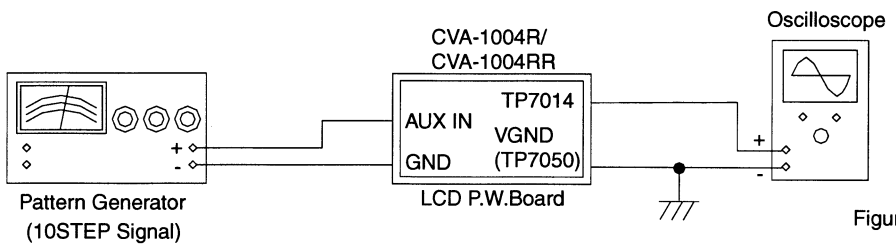


Figure 11

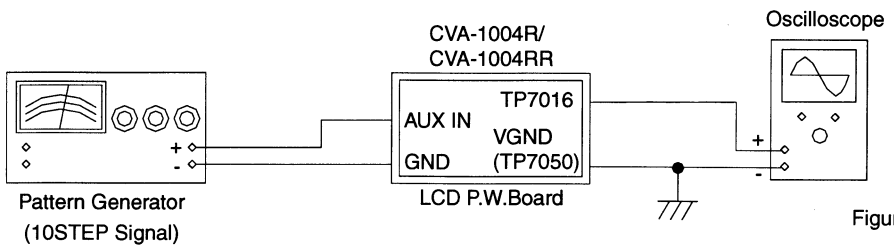


Figure 12

(2) Adjustment Procedures

* PAL Adjustment

Step	Operations Process	Connection	Test Point/ P.W.Board Coordinates	Adjustment
1	Confirm AUX terminal OPEN.	Figure 5 to 8		
2	PWM Frequency Adjustment	Figure 5	TP813 (4-F) TP7050 (5-C)	Adjust by VR803 so that it may be set to 119 to 120KHz.
3	VSS Voltage Adjustment	Figure 6	TP7053 (5-C) TP7050 (5-C)	Adjust by VR802 so that it may be set to -16V +0.1, -0.1.
4	VGH Voltage Adjustment	Figure 7	TP7002 (5-C) TP7050 (5-C)	Adjust by VR801 so that it may be set to +13V +0.1, -0.1.
5	HSYNC Frequency Adjustment	Figure 8	TP7046 (5-C) TP7050 (5-C)	Adjust by VR7002 so that it may be set to range which does not exceed 15.64kHz from 15.63KHz.
6	HSYNC Lo-period Adjustment	Figure 8	TP7046 (5-C) TP7050 (5-C)	Adjust by VR7001 so that it may be set to 3.12uS+0.05, -0.05.
7	Input 10STEP Signal from AUX.	Figure 9 to 12		
8	VOM Amplitude Adjustment	Figure 9	TP7056 (5-C) TP7050 (5-C)	Adjust to DC+5.9 to -1.9 amplitude by VR701 and VR709. (7.8V+0.1, -0.1) [NOTE : VR701 : DC Center Voltage Adjustment VR709 : Amplitude Adjustment]
9	GREEN Waveform-1 Adjustment	Figure 10	TP7015 (5-C) TP7050 (5-C)	Adjust from black to the 3rd. waveform by VR702 so that it may be set to AC1.9V. (Refer to A of Figure 13)
10	GREEN Waveform-2 Adjustment	Figure 10	TP7015 (5-C) TP7050 (5-C)	Adjust between white and from white to the 6th. waveform by VR703 so that it may be set to AC3.0V (Refer to B of Figure 13)
11	GREEN Waveform-3 Adjustment	Figure 10	TP7015 (5-C) TP7050 (5-C)	Adjust white waveform by VR703 so that it may be set to AC3.9 to 4.0V. (Refer to C of Figure 13)
12	RED Waveform-1 Adjustment	Figure 11	TP7014 (5-C) TP7050 (5-C)	Adjust by VR705 and VR707 so that TP7014 waveform may become the same as TP7015 waveform. [NOTE : VR705 : adjust from black to 8th. gradation. VR707 : adjust from 8th. gradation to white.]
13	BLUE Waveform-1 Adjustment	Figure 12	TP7016 (5-C) TP7050 (5-C)	Adjust by VR706 and VR708 so that TP7016 waveform may become the same as TP7015 waveform. [NOTE : VR706 : adjust from black to 8th. gradation. VR708 : adjust from 8th. gradation to white.]

Step	Operations Process	Connection	Test Point/ P.W.Board Coordinates	Adjustment
14	After finishing PAL Adjustment, change to COLOR BAR Signal.			
15	RED Waveform-2 Adjustment	Figure 11	TP7014 (5-C) TP7050 (5-C)	Adjust by L706 so that blue level of TP7014 waveform may become the same as black level of TP7014 Waveform. (Refer to Figure 14-1 and -2.) NOTE : It is the easy method which is adjusted looking at COLOR BAR reflected in LCD directly.
16	BLUE Waveform-2 Adjustment	Figure 12	TP7016 (5-C) TP7050 (5-C)	Adjust by VR710 so that the output amplitude of every 1H may be united by TP7016 waveform. (Refer to Figure 15-1 and -2.) NOTE : It is adjustment standard that the flicker of magenta and RED becomes the minimum.
17	B.GND [DAY] is set to GREEN-2 on the SETUP screen of FM SOURCE, and flicker is adjusted.			
18	-1. After pushing "SOURCE/PWR" Key and "CHG/R.SEL" Key at the same time, push "PLAY/ PAUSE/TUNE/A.ME" more than 3 seconds.			
	-2. ACC ON/FF			
	-3. Elimination of EEP-ROM Memory			
	-4. BLUE-1 screen			

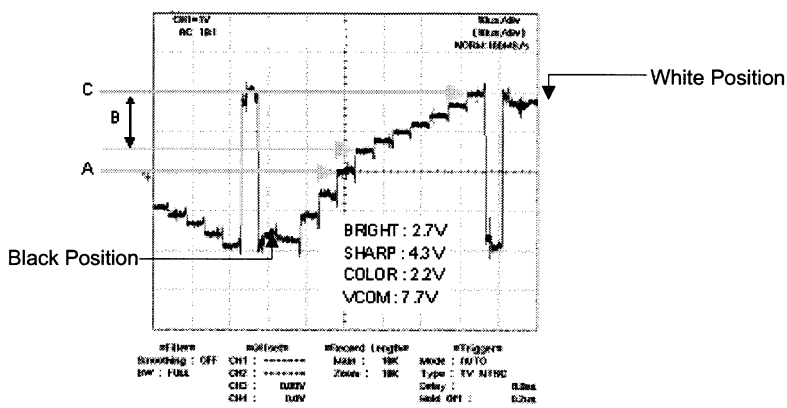


Figure 13

<Before Adjustment>

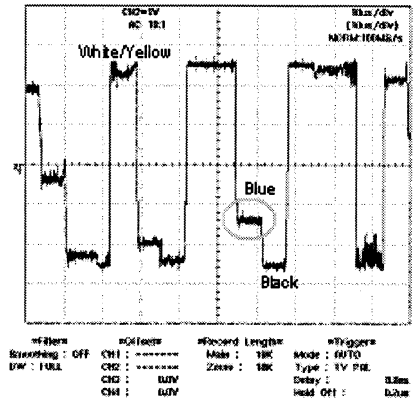


Figure 14-1

<After Adjustment>

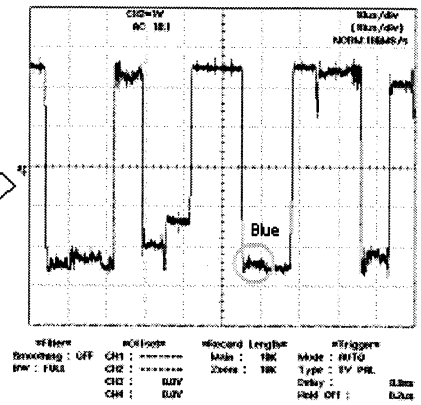


Figure 14-2

<Before Adjustment>

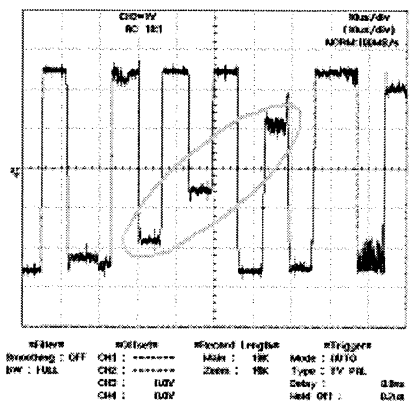


Figure 15-1

<After Adjustment>

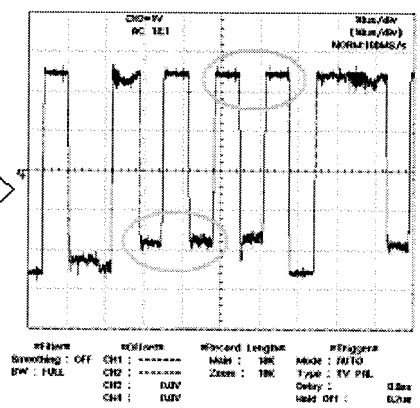


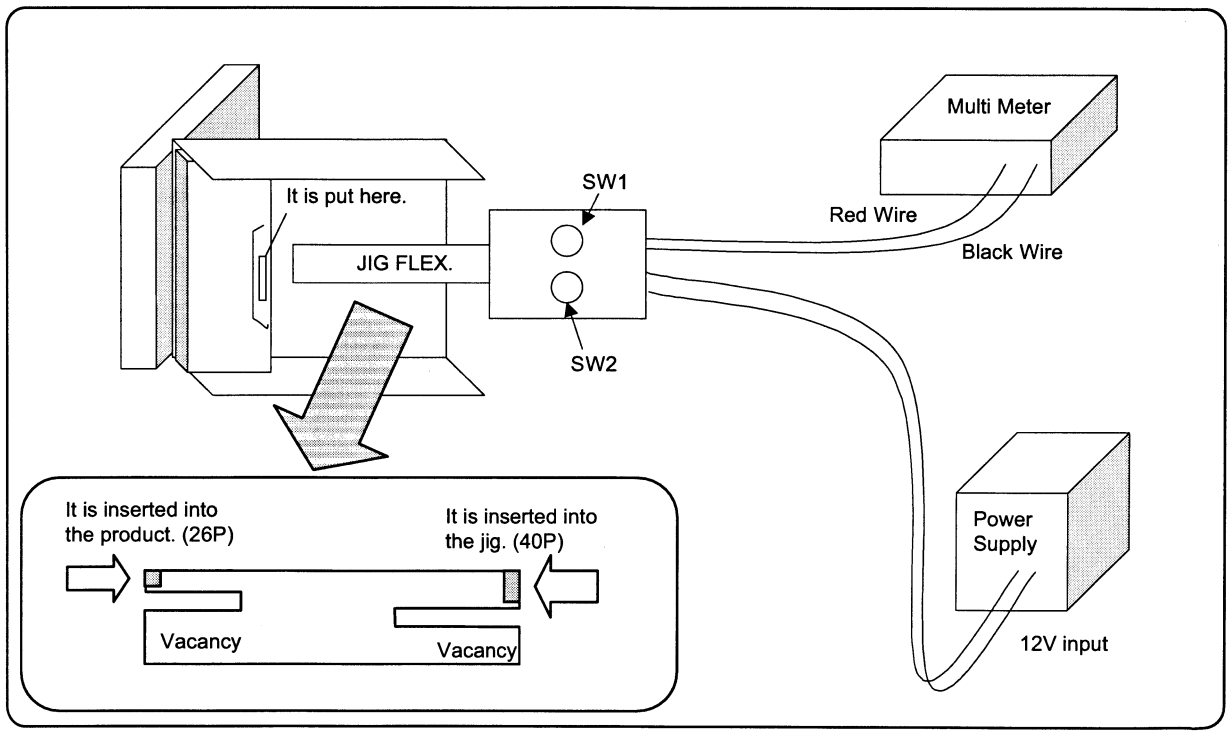
Figure 15-2

How to use jig for the LPS Adjustment (01V32359S01)

Outline

Our JIG is JIG which makes Mechanism Block move to adjust the voltage of LPS for TILT of in-dash monitor such as "CVA-1004RCVA-1004RR". It is adjusted with measuring an output voltage from LPS and confirming the voltage. (This adjustment surely becomes necessary when MONITOR and Mechanism Block are left.)

Connection Figure



How to use it (Be sure to carry out this adjustment when you leave DISPLAY and MONITOR Mechanism Block.)

1. It is connected as the above "Connection Figure".
2. Power supply is turned on. (12V)
3. DISPLAY is moved to the horizontal position by using the switch. (Refer to Figure-1.)
   1) SW1 : The adjustment of TILT is done. (angle adjustment of MONITOR Block)
   2) SW2 : The adjustment of Load is done. (The dimension that MONITOR Block comes out is adjusted.)
4. COVER TURNER is removed.
5. GEAR, LPS ASSY (121) are removed.
6. Volume under GEAR, LPS ASSY is turned, and the voltage of the Multi Meter adjusts it to 0.10+0.10, -0.10V (the voltage of MONITOR horizontal position). (Refer to Figure-2.)
7. GEAR, LPS ASSY are put after the adjustment.
   It confirms that it is 0.01 to 0.20V though voltage value changes a little when it is put.
   (Adjustment is necessity again if it comes off 0.01 to 0.20V.)
8. COVER TURNER is put, JIG FLEX. is removed, adjustment completion.

Figure-1

SW1 is pushed down on the A side,
and Display is made horizontal.
(It is made the condition like the Figure.)

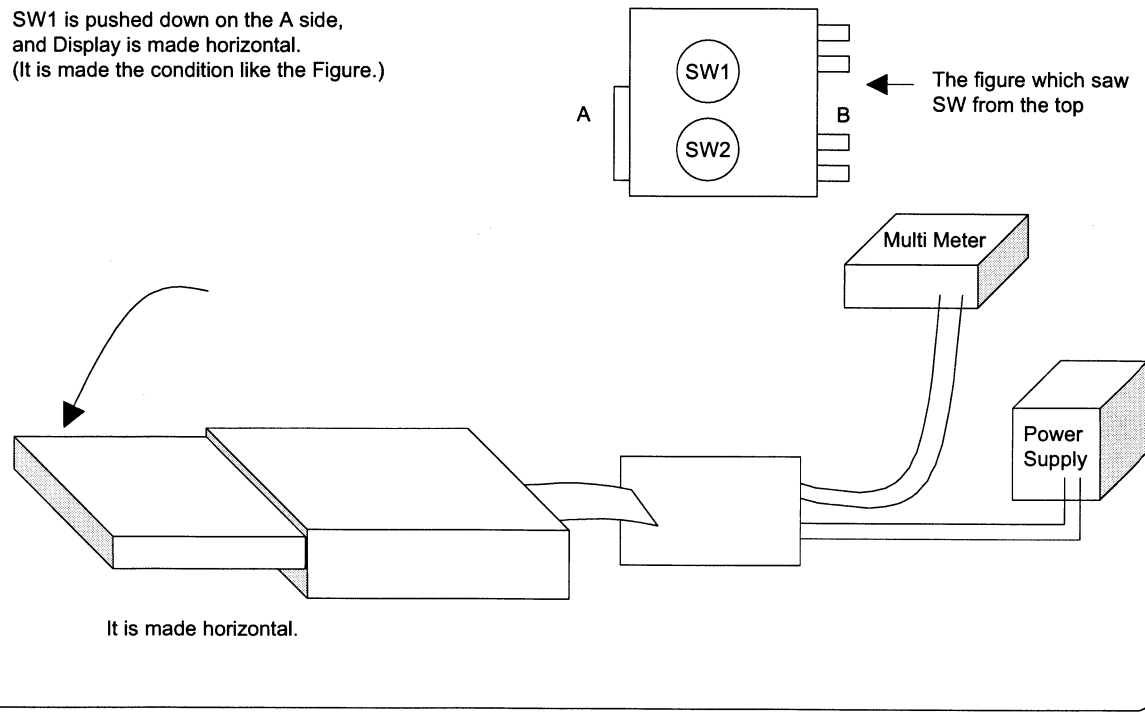
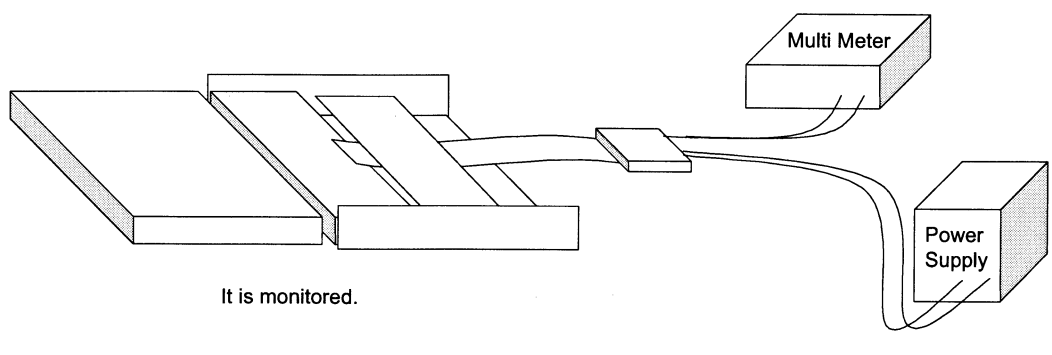


Figure-2

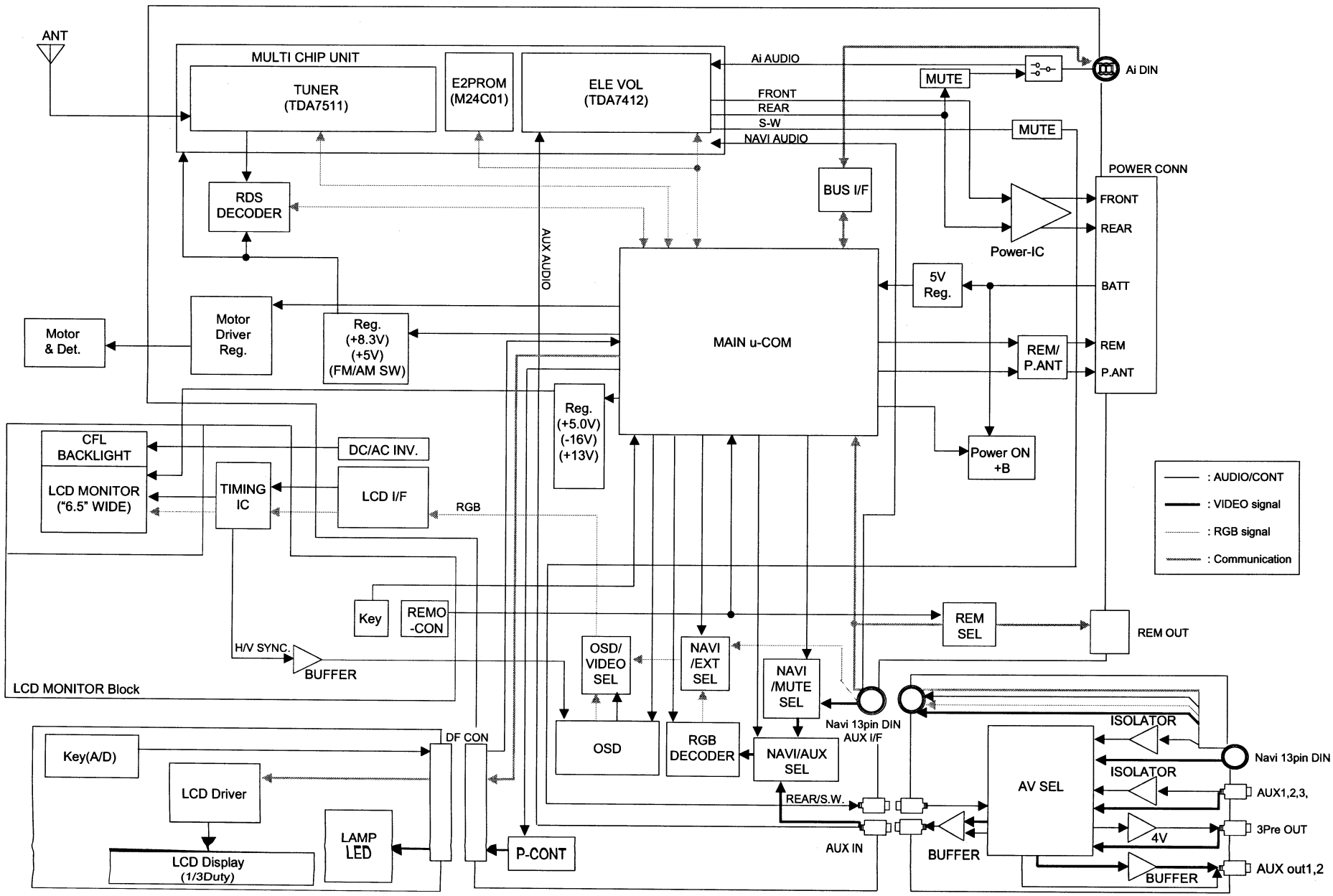
Volume under GEAR, LPS ASSY is turned, and the voltage of the Multi Meter adjusts it to 0.10+0.10, -0.10V
(the voltage of MONITOR horizontal position).



Reference information

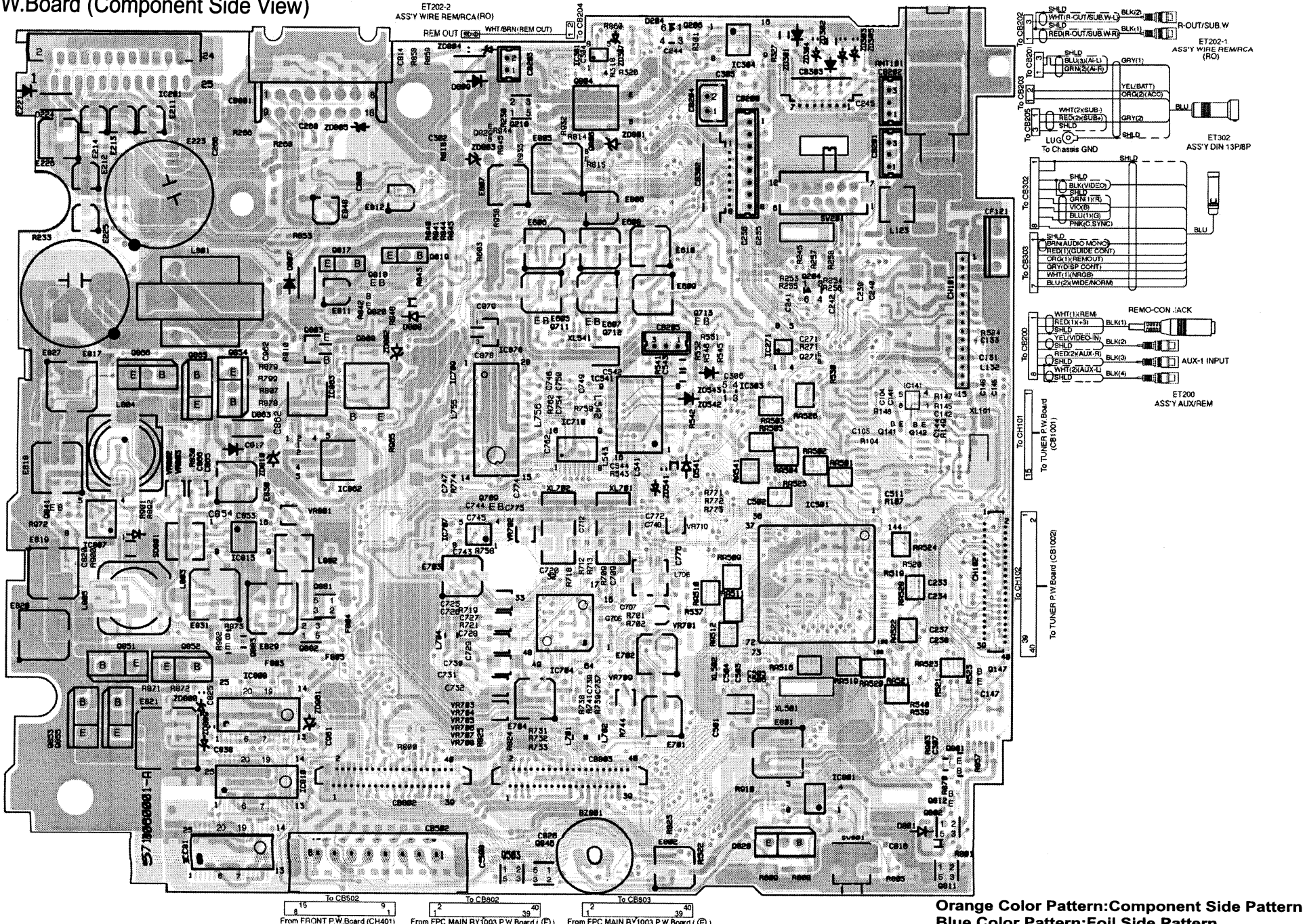
* The voltage of the movement range of LPS for TILT moves in the range of 0.1 to 4.2V.

Block Diagram



Parts Layout on P.W.Boards and Wiring Diagram (1/6)

MAIN P.W.Board (Component Side View)



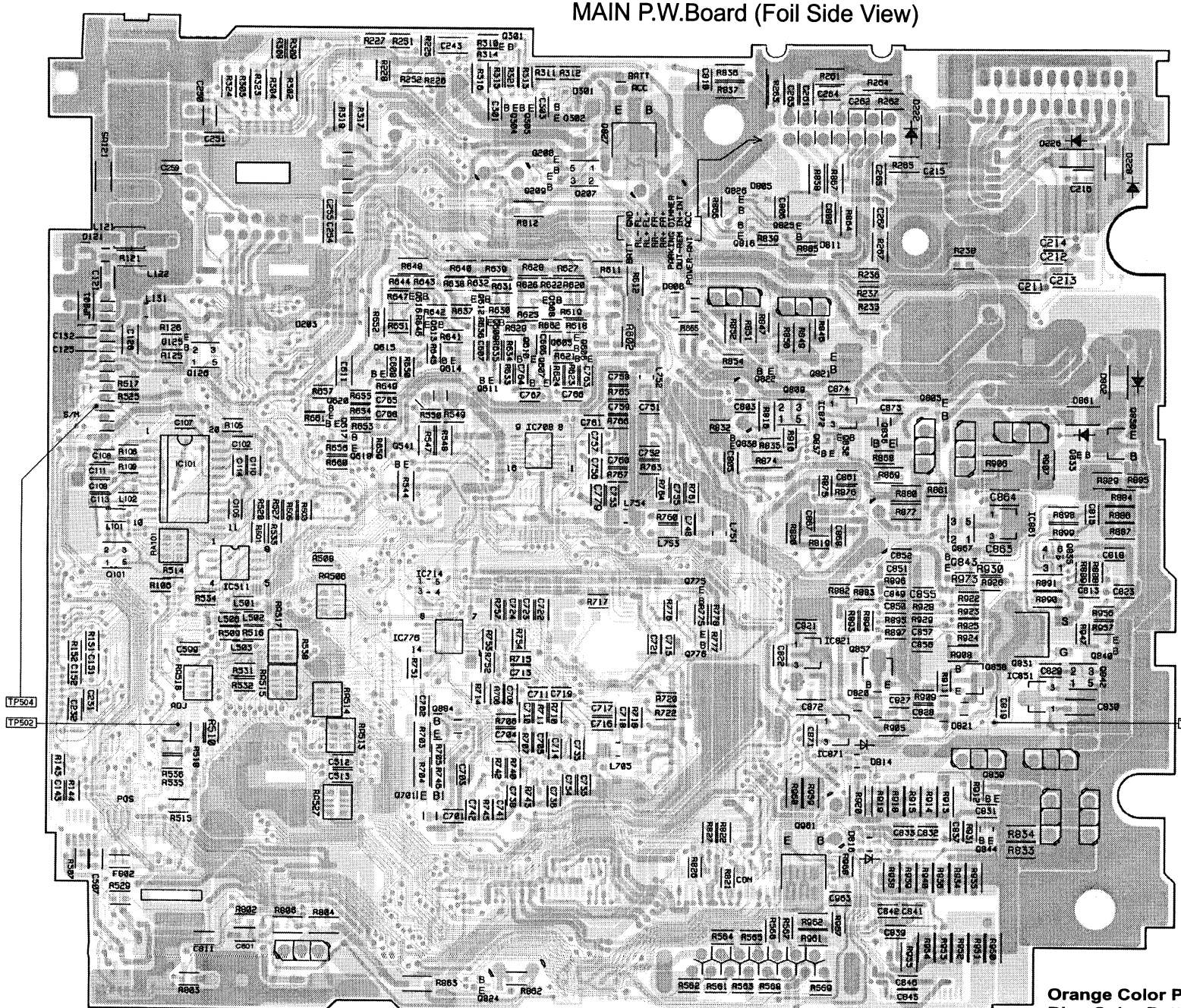
Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

1 2 3 4 5

A B C D E F G

Parts Layout on P.W.Boards and Wiring Diagram (2/6)

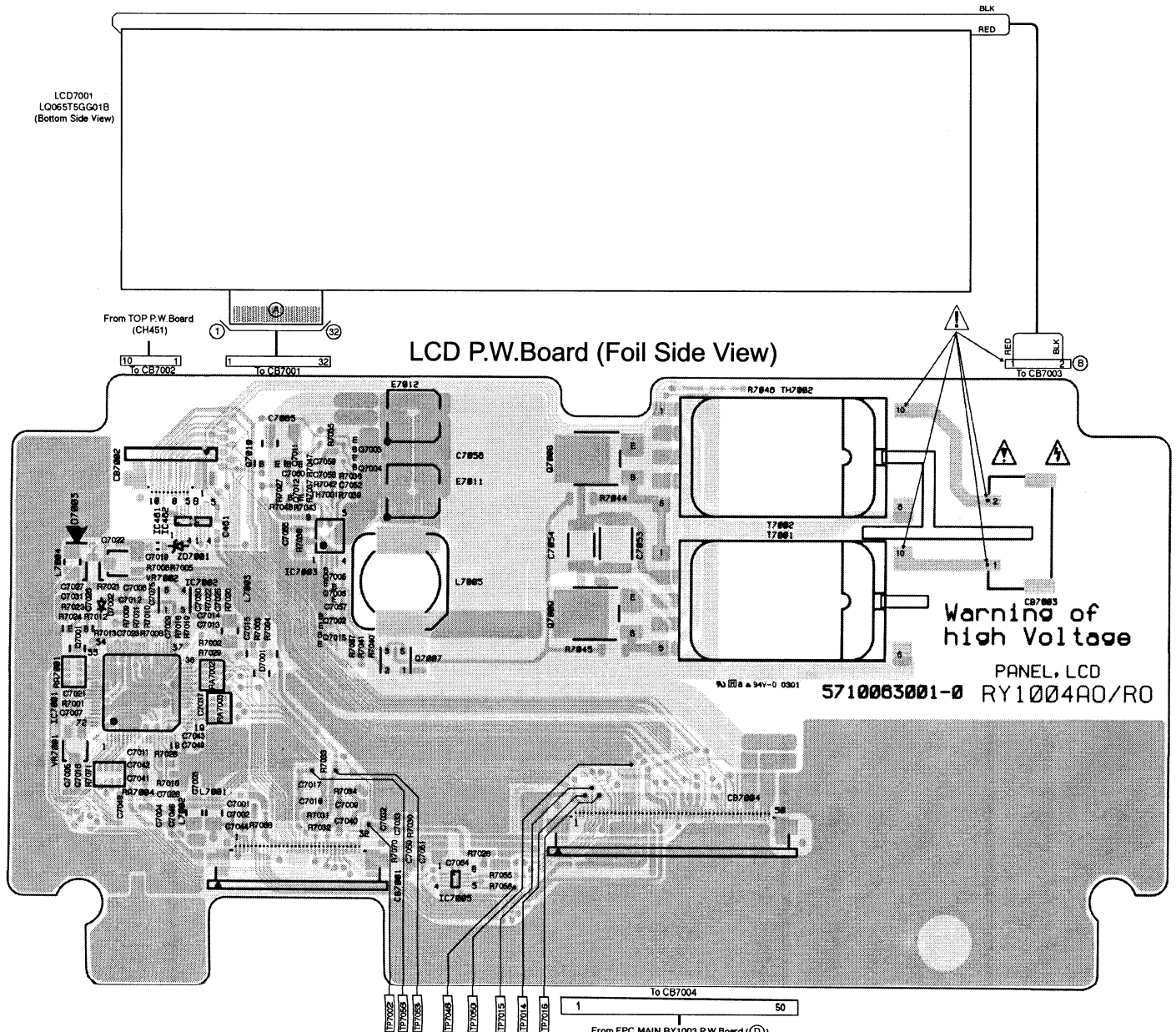
MAIN P.W.Board (Foil Side View)



Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/6)

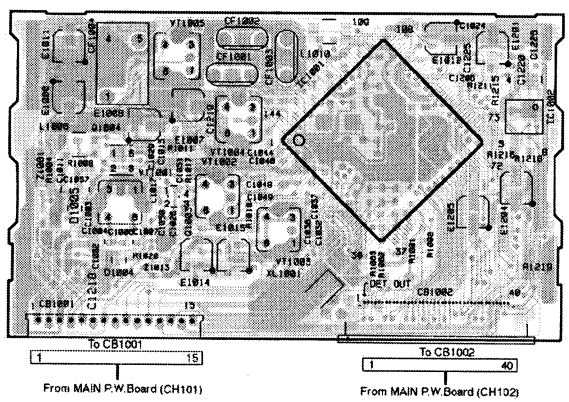
Caution:The part marked with ⚠ is generating a high voltage, so care will be necessary when working.



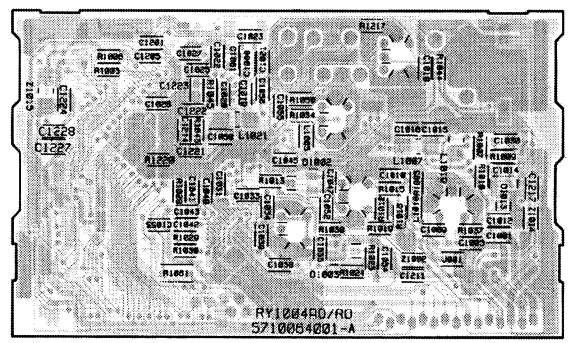
Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (4/6)

TUNER P.W.Board (Component Side View)



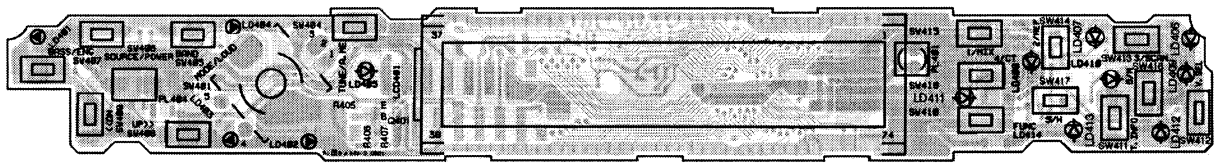
TUNER P.W.Board (Foil Side View)



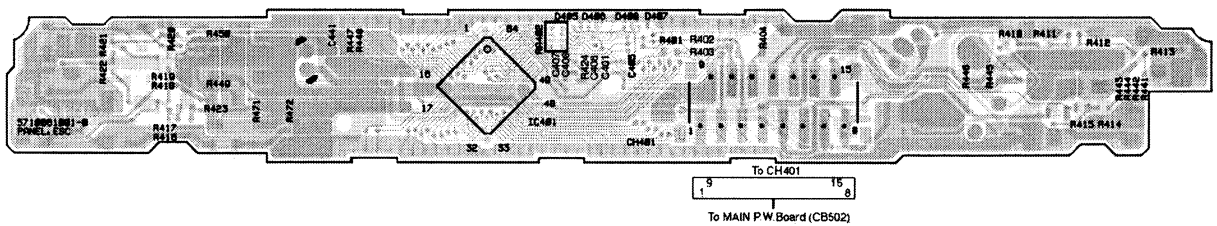
Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/6)

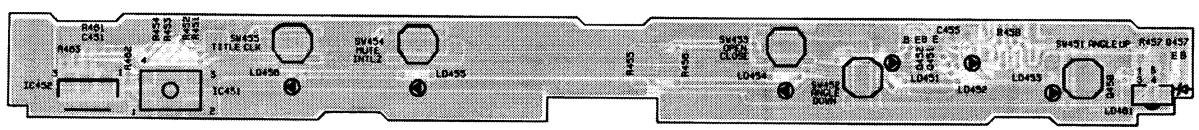
FRONT P.W.Board (Component Side View)



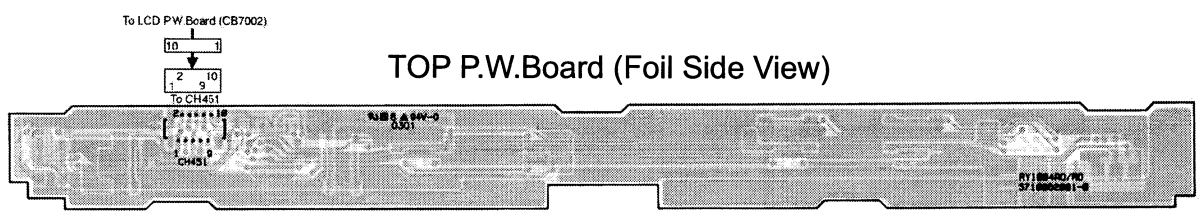
FRONT P.W.Board (Foil Side View)



TOP P.W.Board (Component Side View)

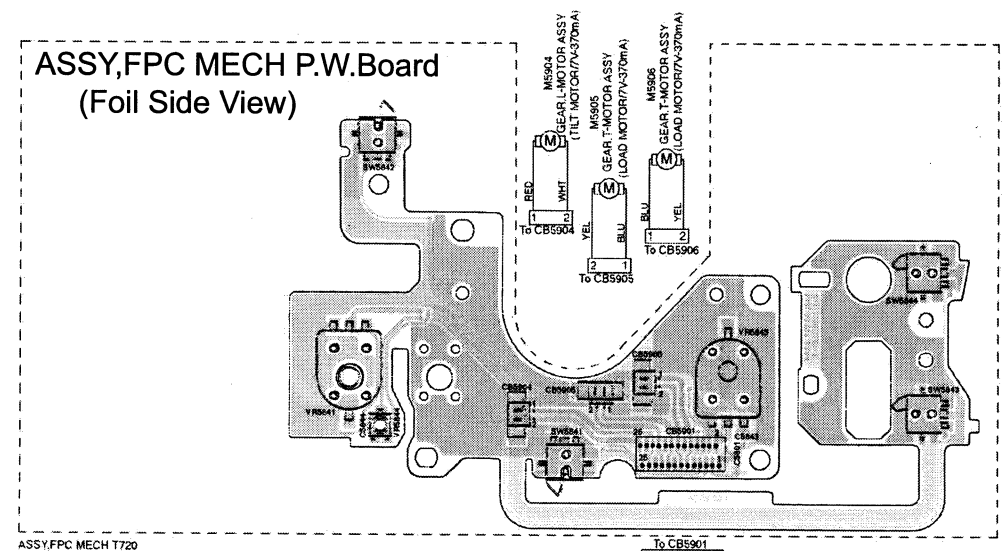


TOP P.W.Board (Foil Side View)

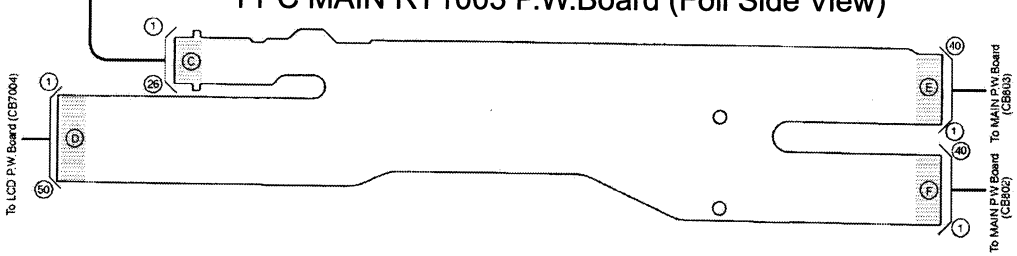


Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (6/6)

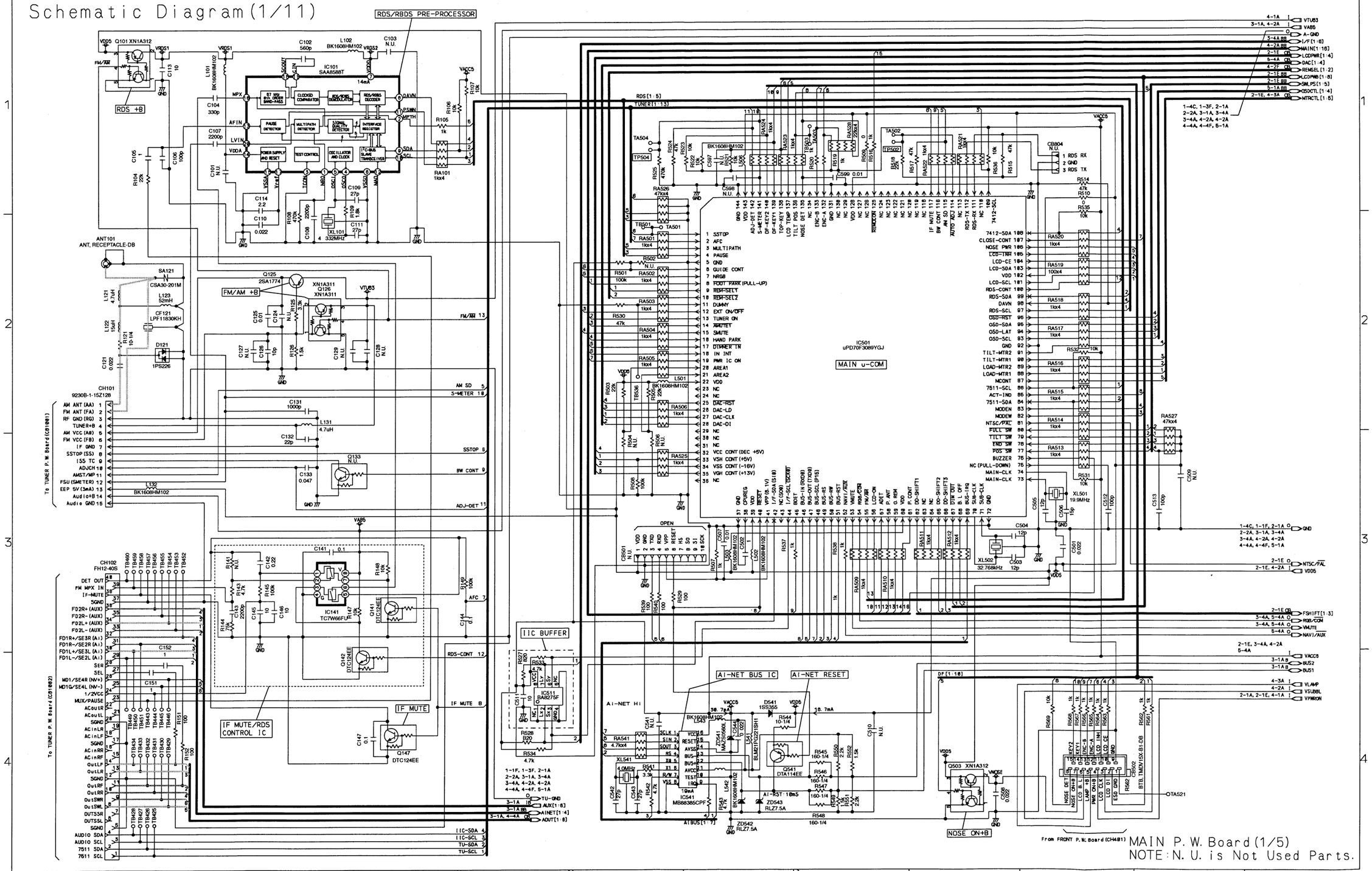


NOTE : Parts mounted inside of ASSY,FPC MECH T720 are not described on the Electrical Parts List.



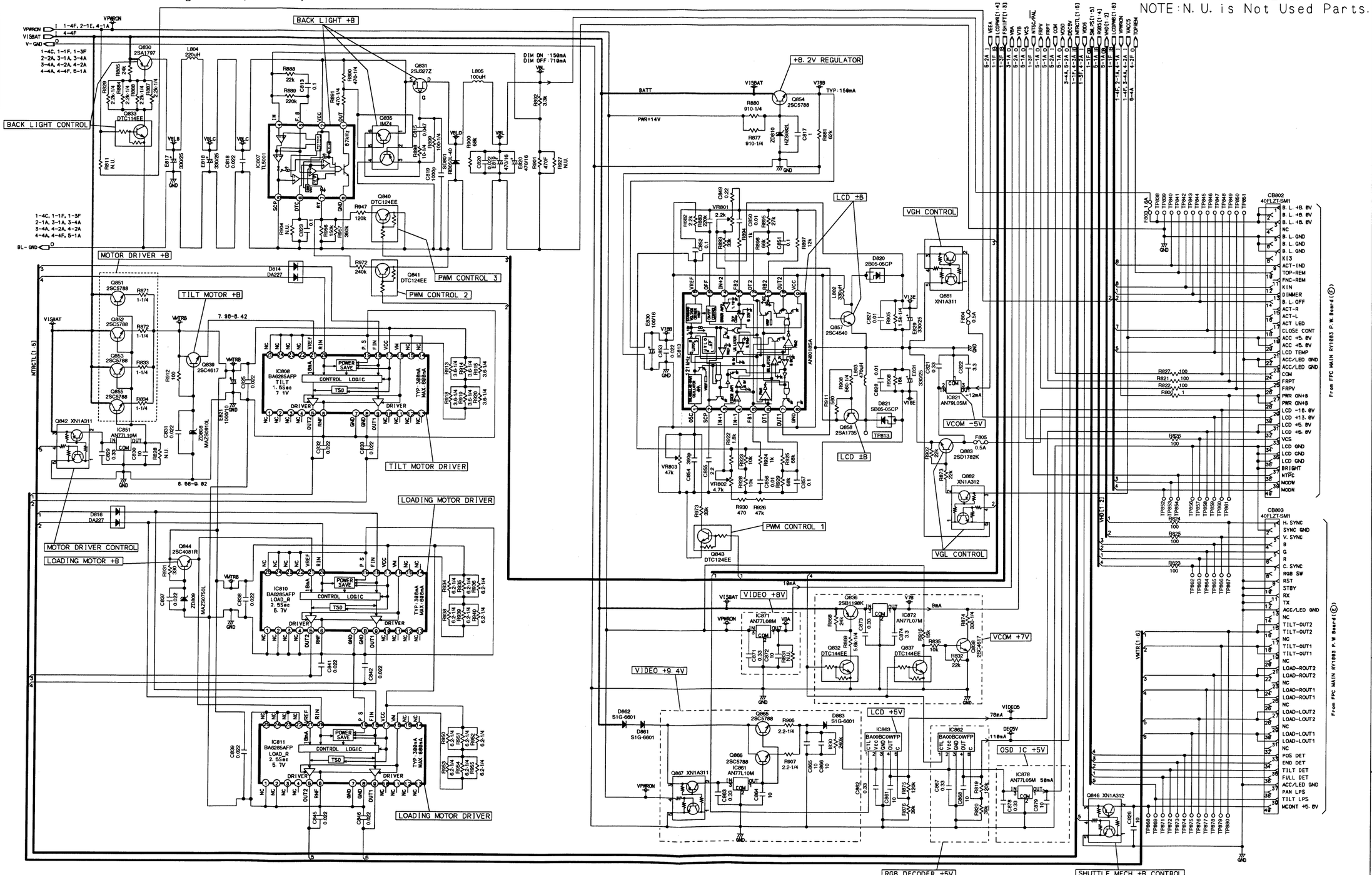
Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

Schematic Diagram (1/11)

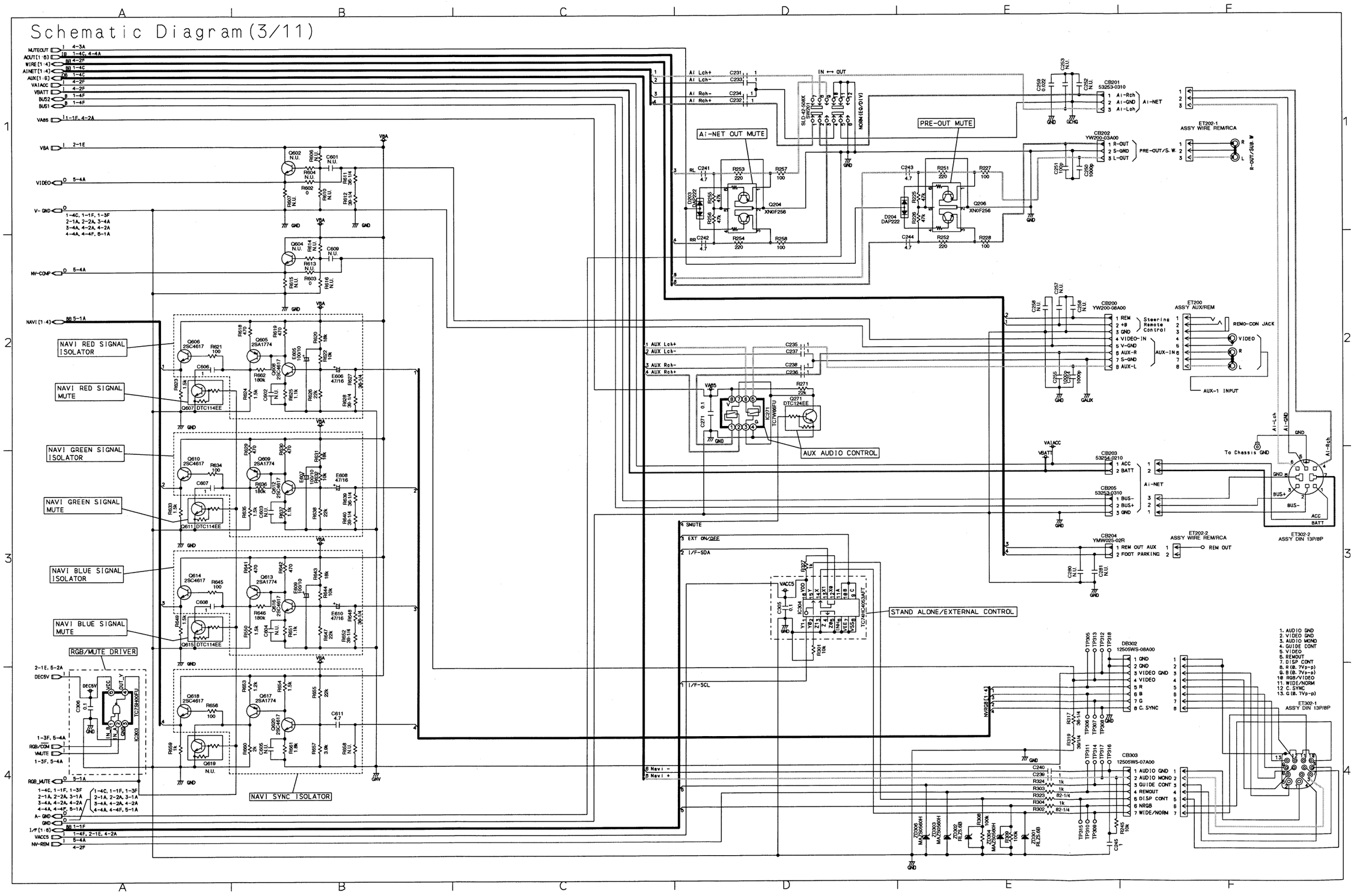


Schematic Diagram (2/11)

MAIN P.W. Board (2/5)
NOTE : N.U. is Not Used Parts.



Schematic Diagram (3/11)

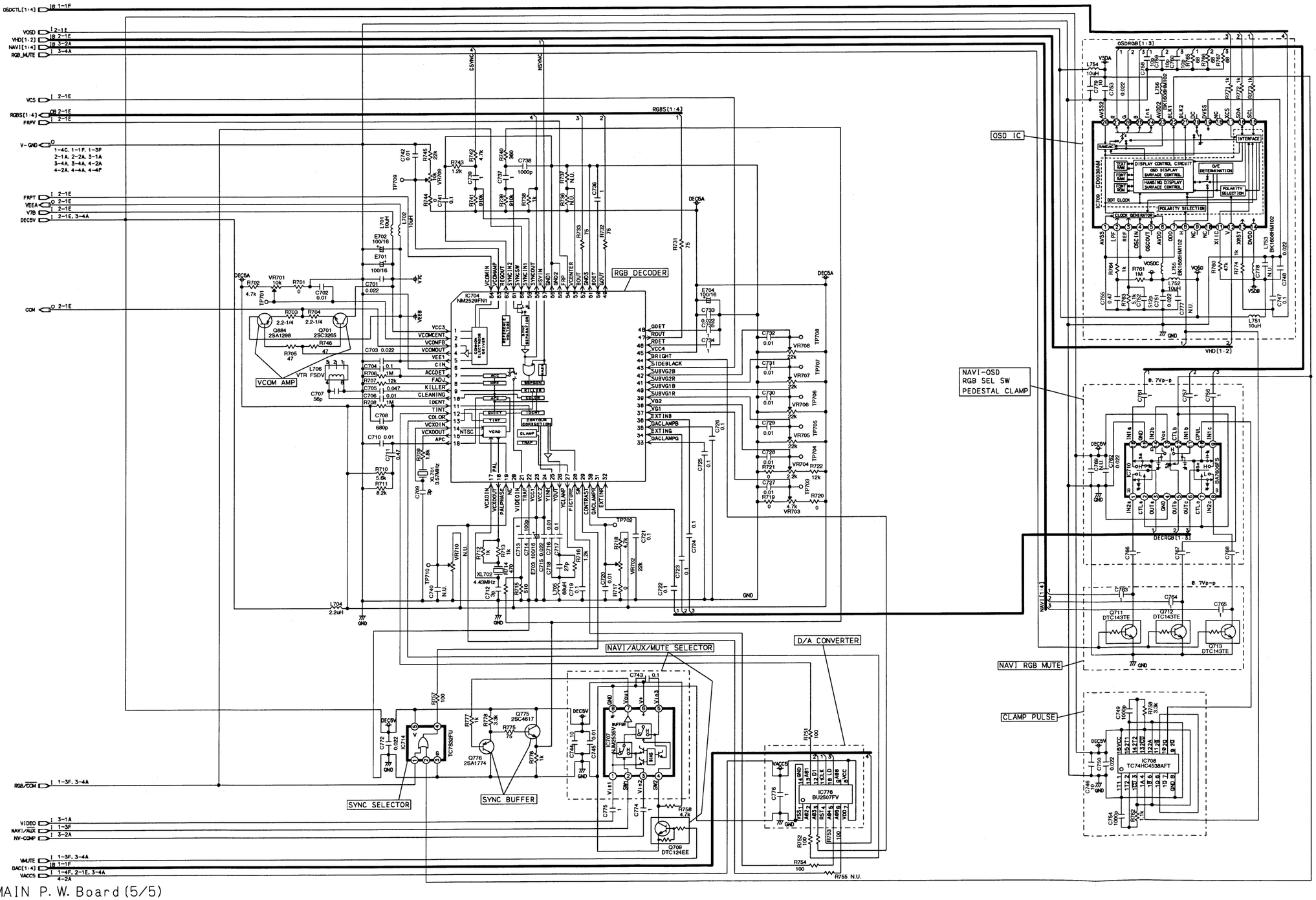


Schematic Diagram (4/11)

MAIN P.W.Board (4/5)

NOTE : N.U. is Not Used Parts.

Schematic Diagram (5/11)

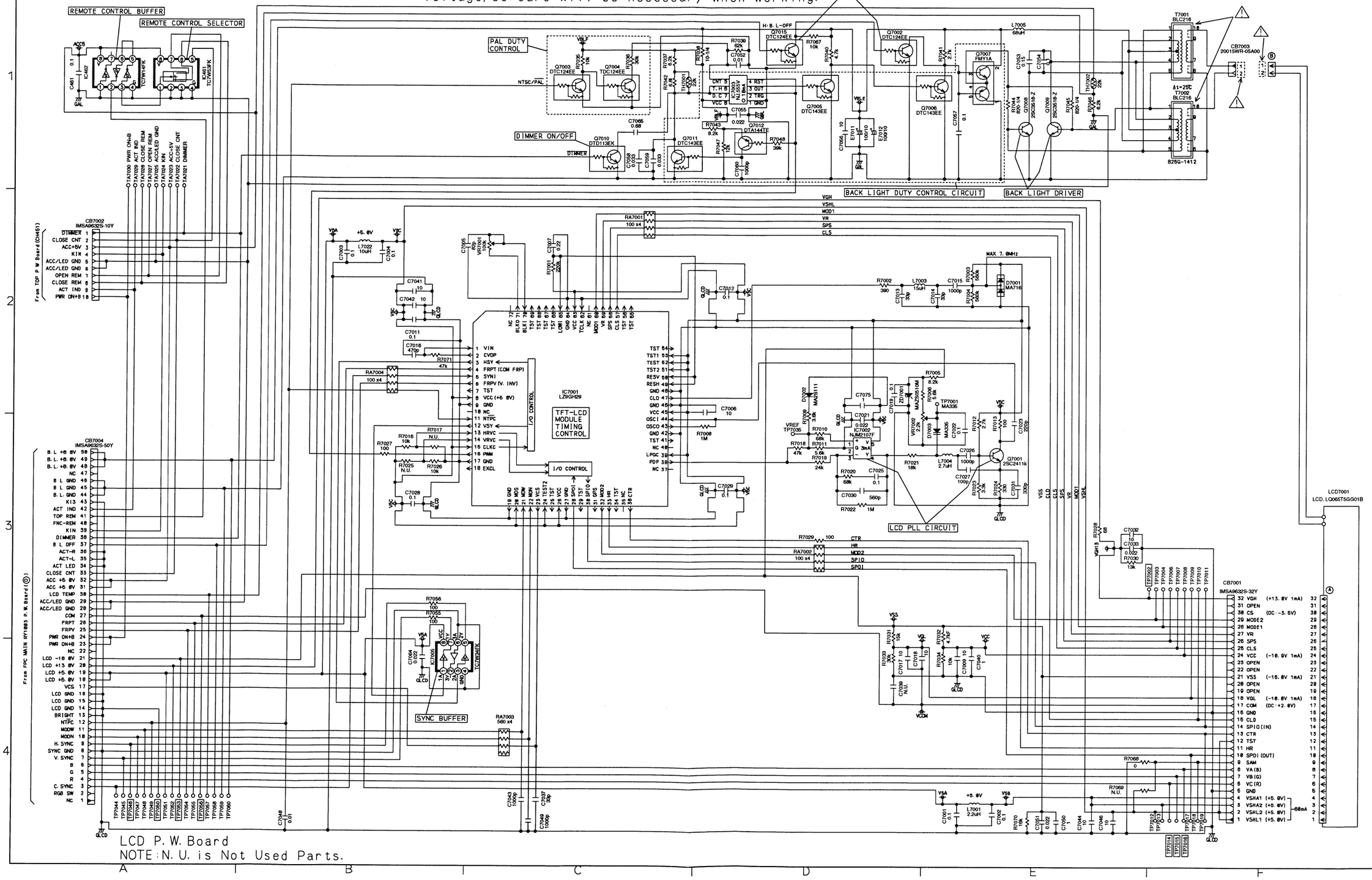


MAIN P.W.Board (5/5)

NOTE : N.U. is Not Used Parts.

Schematic Diagram (6/11)

Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

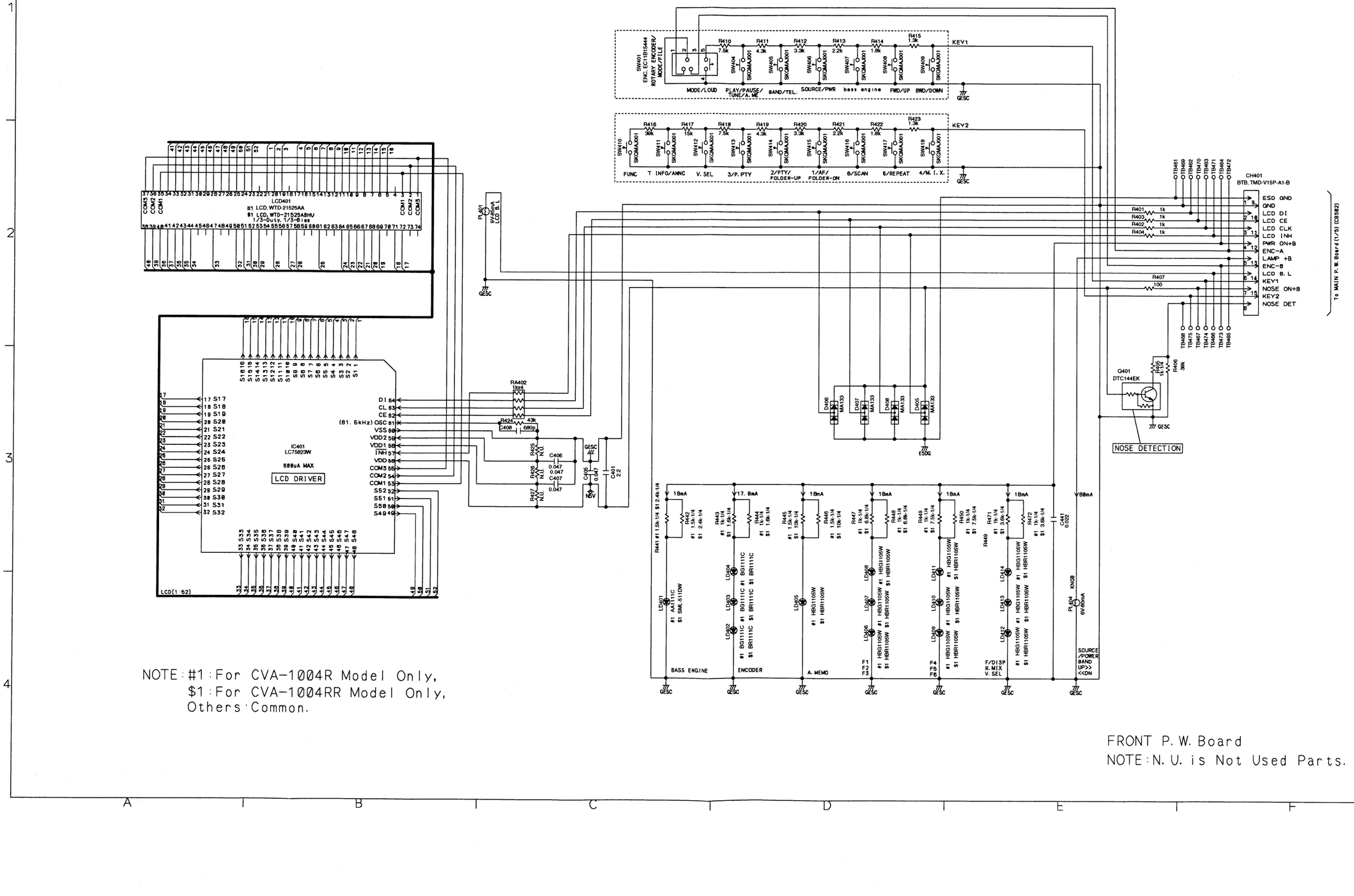


Schematic Diagram(7/11)

NOTE:#1:For CVA-1004R Model Only,
$1:For CVA-1004RR Model Only,
Others:Common.

TUNER P.W.Board
NOTE:N.U.is Not Used parts.

Schematic Diagram(8/11)



NOTE : #1 : For CVA-1004R Model Only,
$1 : For CVA-1004RR Model Only,
Others : Common.

FRONT P. W. Board
NOTE : N. U. is Not Used Parts.

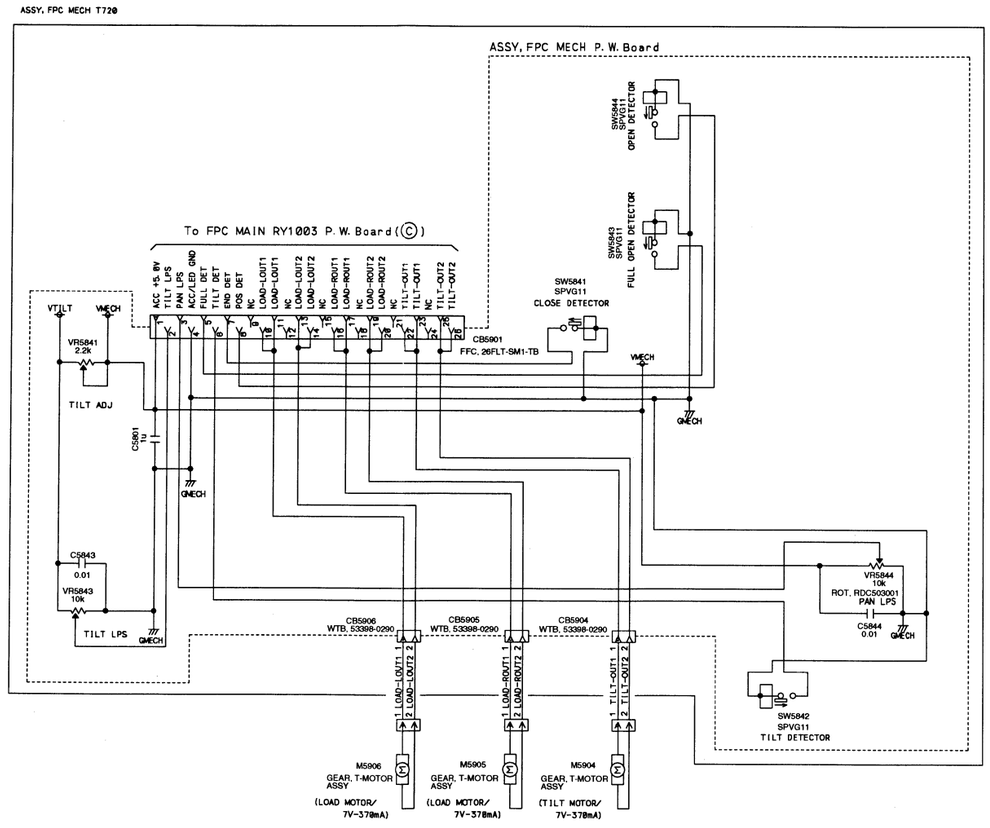
Schematic Diagram (9/11)

NOTE : #1 : For CVA-1004R Model Only,
$1 : For CVA-1004RR Model Only,
Others : Common.

TOP P. W. Board

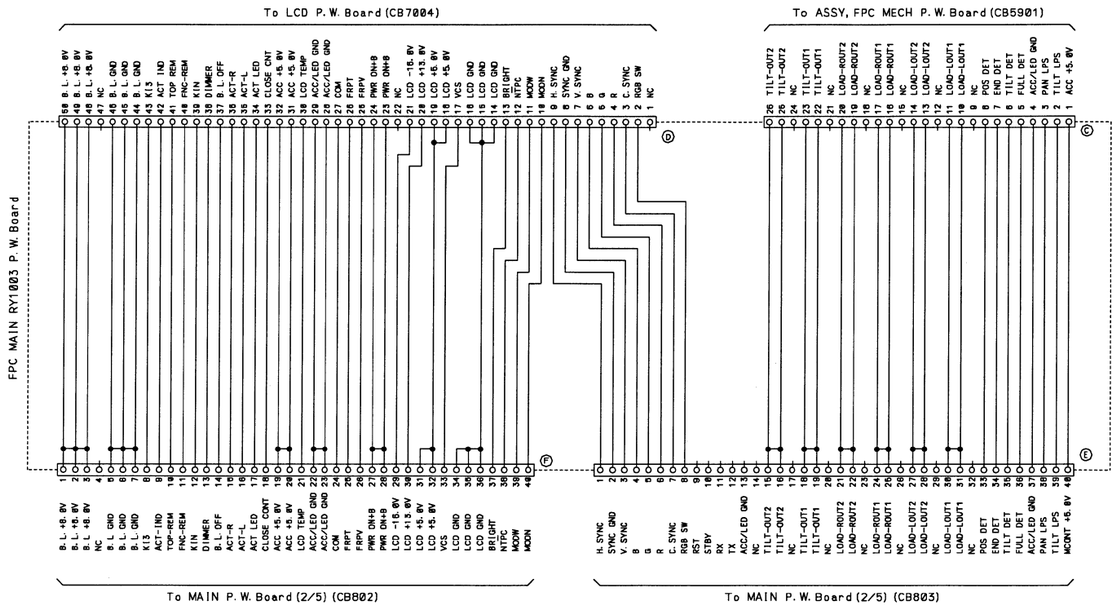
NOTE : N. U. is Not Used Parts.

Schematic Diagram(10/11)



NOTE: Parts mounted inside of ASSY, FPC MECH T720
are not described on the Electrical Parts List.

Schematic Diagram(11/11)



Terminal Voltage of IC/TR

(MAIN P.W.Board)

IC101			
1	0	11	4.8
2	0	12	0
3	0	13	2.5
4	2.3	14	4.8
5	2.1	15	0
6	0	16	7
7	4.8	17	3.5
8	4.8	18	2.4
9	4.8	19	2.4
10	5	20	2.4

IC141		
1	4.1	
2	4.1	
3	0 / 8.3	RDS ON/OFF
4	0	
5	3.1	
6	3.1	
7	0 / 8.3	IF-MUTE ON/OFF
8	8.3	

IC201			
1	0	14	2.8
2	0	15	2.8
3	10.8	16	7
4	5	17	3.5
5	10.8	18	0
6	14	19	3.6
7	3.6	20	14
8	0	21	10.8
9	3.6	22	4.1
10	10.6	23	10.8
11	2.8	24	0
12	2.8	25	0
13	0		

IC271	
1	0
2	4
3	0
4	0
5	0
6	0
7	0
8	8.3

IC301	
1	4.9
2	4.9
3	4.9
4	0
5	4.9
6	4.9
7	4.9
8	4.9

IC303	
1	0
2	0
3	0
4	4.9
5	5.1

IC304			
1	0	9	4.9
2	0	10	4.9
3	0	11	4.9
4	0	12	4.9
5	0	13	4.8
6	0	14	4.8
7	0	15	4.8
8	0	16	4.9

IC501								
1	0.4 / 0	S.STOP ON/OFF	51	4.9		101	0	
2	2.9		52	4.9 / 0	NAVI/AUX	102	4.9	
3	0		53	4.9 / 0	V.MUTE ON/OFF	103	0	
4	4.6		54	0		104	0	
5	0		55	4.87 / 0	FM/AM	105	4.9	
6	0		56	4.9		106	4.9	
7	0		57	4.9		107	4.9	
8	4.9		58	4.8 / 0	P.ANT ON/OFF	108	4.9	
9	4.9		59	4.8		109	4.9	
10	4.9		60	4.9		110	NC	
11	0		61	4.8		111	4.9	
12	4.9		62	0		112	4.9	
13	4.9 / 0	TUNER ON/OFF	63	NC		113	NC	
14	4.9 / 0	A.MUTE ON/OFF	64	NC		114	4.9	
15	4.9		65	0		115	0.1	
16	4.9 / 0	H.PARK ON/OFF	66	0		116	0	
17	0 / 4.9	DIMMER ON/OFF	67	0 / 4.6	DIM-OUT ON/OFF	117	0	
18	4.9 / 0	IN-INT ON/OFF	68	4.9 / 0	B.L. ON/OFF	118	NC	
19	4.9 / 0	PWR-IC ON/OFF	69	4.9		119	NC	
20	0		70	1.6		120	NC	
21	0		71	1.5		121	NC	
22	4.9		72	0		122	NC	
23	NC		73	1.5		123	NC	
24	NC		74	1.5		124	NC	
25	4.9		75	NC		125	4.9	
26	0		76	0		126	NC	
27	4.9		77	0		127	NC	
28	0		78	0		128	4.9	
29	NC		79	0		129	NC	
30	NC		80	0		130	NC	
31	NC		81	4.9		131	0	
32	4.9		82	4.9		132	0.2	
33	4.9		83	4.9		133	0.2	
34	4.9		84	4.9		134	NC	
35	4.9		85	0		135	1.7 / 4.9	NOSE DET ON/OFF
36	NC		86	4.9		136	0	
37	0		87	4.8		137	1.4	
38	3.4		88	0		138	4.9	
39	4.9		89	0		139	4.9	
40	4.9		90	0		140	4.9	
41	0		91	0		141	2.1	
42	4.8		92	0		142	0.2	
43	NC		93	4.9		143	4.9	
44	4.8		94	0		144	0	
45	4.9		95	4.9				
46	0		96	4.9				
47	0		97	0				
48	4.9		98	0				
49	4.9		99	0				
50	4.9		100	5 / 0	RDS ON/OFF			

IC511	
1	0
2	4.9
3	4.9
4	0
5	0
6	4.8
7	4.8
8	4.9

IC541			
1	4.9	9	4.9
2	0	10	0
3	0	11	4.9
4	4.9	12	2
5	1.8	13	2.3
6	2.3	14	0
7	4.9	15	4.9
8	0	16	4.9

IC704							
1	6.9	17	4.5	33	1.7	49	2.5
2	1.8	18	3.2	34	1.3	50	1.6
3	1.6	19	3.9	35	1.7	51	0
4	1.6	20	0	36	1.5	52	2.5
5	-5	21	1.9	37	2.5	53	2.5
6	0	22	1.9	38	0.5	54	2.1
7	0	23	5	39	2.5	55	0
8	0.9	24	5	40	2.5	56	0
9	2.7	25	1.8	41	2.5	57	4.7
10	3.4	26	2.6	42	2.5	58	0.1
11	0.4	27	2.3	43	0	59	1.9
12	0	28	0	44	2.7	60	0
13	0	29	3.7	45	5	61	1.9
14	4.9	30	2.1	46	1.6	62	2.6
15	4.6	31	1.7	47	2.5	63	4.1
16	2.6	32	1.3	48	1.6	64	2.5

IC707		
1	1.5	
2	4.8 / 0	NAVI/AUX
3	1.6	
4	4.4	
5	1.5	
6	5	
7	0.8	
8	0	

IC708			
1	0	9	4.8
2	5	10	0.2
3	5	11	0.1
4	4.8	12	0
5	5	13	5
6	0.1	14	4.8
7	5	15	0
8	0	16	5

IC709							
1	0	8	4.8	15	4.8	22	3.7
2	0.9	9	0	16	3.2	23	5
3	0.9	10	0	17	0.5	24	3.1
4	0	11	4.9	18	0	25	0.2
5	5	12	5	19	0	26	0
6	5	13	4.9	20	0	27	0
7	0	14	5	21	0	28	0

IC710			
1	3	9	3.2
2	3.7	10	0.2
3	1.6	11	3
4	0	12	3.7
5	1.6	13	5
6	1.7	14	3
7	3.7	15	0
8	2.9	16	3

IC714	
1	0
2	3.7
3	0
4	3.7
5	5

IC776			
1	0	8	4.9
2	0	9	0
3	2.7	10	0
4	5	11	5
5	0	12	0
6	0	13	0
7	4.9	14	0

IC801	
1	3.3
2	4.8
3	2.6
4	0
5	4.9
6	4.9
7	4.9
8	13

IC807	
1	12
2	13.7
3	0.7
4	1
5	0
6	2.4
7	1
8	0

IC808			
1	0	14	0
2	0	15	0
3	0	16	14
4	0	17	14
5	0	18	0
6	0	19	0
7	0	20	0
8	0	21	9.8
9	0	22	0
10	0	23	0
11	0	24	0
12	0	25	0
13	0		

IC810			
1	0	14	0
2	0	15	0
3	0	16	14
4	0	17	14
5	0	18	0
6	0	19	0
7	0	20	0
8	0	21	7.4
9	0	22	0
10	0	23	0
11	0	24	0
12	0	25	0
13	0		

IC811			
1	0	14	0
2	0	15	0
3	0	16	14
4	0	17	14
5	0	18	0
6	0	19	0
7	0	20	0
8	0	21	7.4
9	0	22	0
10	0	23	0
11	0	24	0
12	0	25	0
13	0		

IC813			
1	0.4	9	8.7
2	0	10	0.2
3	0.6	11	0.5
4	0.6	12	0.4
5	0.4	13	0.5
6	0.6	14	1.2
7	5.2	15	2
8	0	16	1.2

IC821	
1	0
2	-15.9
3	-5

IC851	
1	10
2	0
3	14

IC861	
1	10
2	0
3	12.4

IC862	
1	4.6
2	8.4
3	0
4	5.1
5	1.4

IC863	
1	4.8
2	8.4
3	0
4	5.1
5	1.4

IC871	
1	8
2	0
3	14

IC872	
1	7
2	0
3	13.9

IC878	
1	5
2	0
3	8.4

Ref. No.	1	2	3	4	5	6	NOTE
Q204	0	0	0	0	0	0	
Q206	0	0	0	0	0	0	
Q835	14.3	13.5	13.5	0	13.5	13.5	

Ref. No.	1	2	3	4	5	NOTE
Q101	0 / 4.9	4.8 / 0	5	4.3 / 0	0	FM/AM
Q126	0 / 8.2	8.1 / 2.2	8.2	4.5 / 0	0	FM/AM
Q207	0 / 14.2	14.2 / 0	14	7.3 / 0	0	MUTE ON/OFF
Q210	0	14	14	4	0	
Q503	0	4.9	4.9	4.7	0	
Q802	0	4.9	4.9	5.6	0	
Q809	0	14	14	4.5	0	
Q811	0	4.9	5	4.8	0	
Q842	0	14	14	4	0	
Q846	0	4.9	4.9	4.1	0	
Q867	0	12.4	12.4	14	0	
Q881	0	13.1	13.1	4.5	0	
Q882	0	4.8	4.9	4.7	0	

Ref. No.	G	D	S	NOTE
Q831	13.5	7.9	13	

Ref. No.	E	B	C	NOTE
Q125	8.2	8.1 / 7.5	0.4 / 8.2	FM/AM
Q141	0	5 / 0	0 / 8.3	IF-MUTE ON/OFF
Q142	0	5 / 0	0 / 8.3	RDS ON/OFF
Q147	0	0	3.7	
Q208	0	0 / 4.7	7.3 / 0	MUTE ON/OFF
Q209	0	0	4.1	
Q271	0	4.7	0	
Q301	4.8	4.8	0	
Q302	0	0	8.9	

Ref. No.	E	B	C	NOTE
Q303	0	4.8	0	
Q304	0	0	0	
Q541	4.9	4.9	2	
Q605	8	8	0	
Q606	0	0	8	
Q607	0	4.9	0	
Q608	8	8	8	
Q609	8	8	0	
Q610	0	0	8	
Q611	0	4.9	0	
Q612	8	8	8	
Q613	8	8	0	
Q614	0	0	8	
Q615	0	4.9	0	
Q616	8	8	8	
Q617	8	8	0	
Q618	0	0	8	
Q620	8	8	8	
Q701	1.6	1.6	7	
Q709	0	0	4.4	
Q711	0	4.9	0	
Q712	0	4.9	0	
Q713	0	4.9	0	
Q775	8	1.4	5	
Q776	1.4	0.8	0	
Q801	5	4.2	4.9	
Q803	14	13.3	14	
Q804	8.3	8.9	14	
Q805	0	4	0.1	
Q806	5.6	6.2	8.9	
Q808	10	10.5	14	
Q812	0	4.9	0	
Q816	4.9	3.2 / 4.9	4.9 / 0	H.PARKING ON/OFF
Q817	13.9	13.3	13.9	
Q818	13.9	13.9	0	
Q819	13.9	13.3	13.9	
Q820	0	0	13.9	
Q821	0	1.7	0	
Q822	0	1.7	0	
Q824	0	0.5 / 0	11.5 / 14	BUZZER ON/OFF
Q825	4.9	3.2 / 4.9	4.9 / 0	IN-INT ON/OFF
Q826	0	10.1 / 0	0 / 4.9	DIMMER ON/OFF
Q827	8.3	8.9	14	
Q828	14	13.4	4.9	
Q829	5.6	6.2	8.9	
Q830	13.7	13.1	13.7	
Q832	0	4.6	0	
Q833	0	13.8	0	
Q836	14	13.4	13.9	
Q837	0	4.6	0	
Q838	0	0	7	

Ref. No.	E	B	C	NOTE
Q839	9.8	10	14	
Q840	0	0	1	
Q841	0	0	1.2	
Q843	0	0	0.4	
Q844	7.4	7.7	14	
Q851	14	10	14	
Q852	14	10	14	
Q853	14	10	14	
Q854	8.7	9.2	14	
Q855	14	10	14	
Q857	0	0.2	8.7	
Q858	8.7	8.2	0.2	
Q865	9.4	10	12.4	
Q866	9.4	10	12.4	
Q883	-15.9	-15.3	-15.9	
Q884	1.6	1.6	-4.9	
Q961	0	9.8	0	

(LCD P.W.Board)

IC461		
1	4.8	OPEN/CLOSE
2	0	
3	0	
4	0	
5	4.7 / 4.8	
6	4.8	
7	4.8	
8	4.8 / 4.9	

IC462		
1	0	OPEN, CLOSE
2	4.8	
3	4.8	
4	0	
5	0	
6	0	
7	4.8	
8	4.8	

IC7001							
1	0.4	19	0	37	2.6	55	0
2	0.4	20	0	38	5	56	0
3	4.8	21	5	39	5	57	4
4	2.5	22	5	40	0	58	4
5	0	23	5	41	0	59	0
6	2	24	0	42	0	60	5
7	0	25	5	43	2.5	61	5
8	5	26	5	44	2.5	62	0
9	0	27	0	45	5	63	5
10	0	28	5	46	0	64	0
11	4.6	29	0	47	2	65	5
12	5	30	0	48	0	66	0
13	5	31	0	49	5	67	0
14	0	32	5	50	5	68	0
15	5	33	5	51	5	69	0
16	5	34	0	52	5	70	2.5
17	0	35	0	53	5	71	2.5
18	0	36	2.5	54	0	72	2.5

IC7002	
1	2.7
2	0
3	2.7
4	2.7
5	5

IC7003	
1	0
2	5
3	6.2
4	5
5	4.8
6	2.6
7	2.6
8	7.5

IC7005	
1	4.9
2	0
3	4.8
4	0
5	4.9
6	0
7	4.9
8	5

Ref. No.	1	2	3	4	5	NOTE
Q7007	7	6.3	7	7.6	0.1	

Ref. No.	E	B	C	NOTE
Q7001	2.2	2.7	4.3	
Q7002	0.1	0.1	7	
Q7003	0.1	4.7	0.1	
Q7004	0.1	0.1	4.8	
Q7005	0.1	6.2	0.1	
Q7006	0.1	0.1	5	
Q7008	0.1	0.5	7.6	
Q7009	0.1	0.5	7.6	
Q7010	0.1 / 0	2.5 / 0	0.1 / 0	DIMMER OFF/ON
Q7011	0.1	0.1	2.7	
Q7012	4.5	4.9	0.1	
Q7015	0.1	4.6	0.1	

(TUNER P.W,Board)

IC1001											
1	0	26	4.9	51	4.1	76	4.1	101	0	126	0
2	3	27	4.9	52	4.1	77	0	102	0	127	5
3	0	28	8	53	0	78	0	103	0	128	1.4
4	0	29	8	54	4.1	79	0	104	0	129	0
5	0	30	2.5	55	4.1	80	4.1	105	0	130	3.9
6	7.8	31	2.5	56	4.1	81	0	106	0	131	7.9
7	2	32	2.5	57	4.1	82	3.9	107	0	132	2
8	0	33	2.5	58	3.8	83	3.9	108	0	133	2
9	2	34	0	59	3.8	84	3.9	109	0	134	3.9
10	2.1	35	0	60	4	85	3.9	110	0	135	8.2
11	0	36	0	61	0.8	86	2.8	111	0	136	8.2
12	3	37	0	62	1	87	2.5	112	0	137	2
13	0.6	38	0	63	4.1	88	4	113	0	138	2
14	2	39	0	64	4.1	89	2.7	114	3.5	139	0
15	1.5	40	0	65	4.1	90	2	115	8.1	140	3.6
16	8	41	0	66	4.1	91	0	116	3.3	141	8.1
17	0	42	0	67	4	92	3	117	3.7	142	8.1
18	0	43	0	68	0	93	0.6	118	3.6	143	6.7
19	3.8	44	0	69	4	94	3.6	119	2.6	144	0
20	3.3	45	0	70	4	95	0	120	2.6		
21	3.1	46	4.9	71	4	96	4.9	121	2.9		
22	2	47	4.9	72	4	97	4.9	122	3.5		
23	2	48	0	73	0.9	98	8.2	123	2.6		
24	4.3	49	4.9	74	0	99	0	124	4.3		
25	0	50	4.1	75	0	100	0	125	4.3		

IC1002	
1	1.8
2	1.8
3	1.8
4	0
5	4.1
6	4.1
7	4.1
8	8.3

Q1003		
1	2.5 / 0	FM/AM
2	7.8	
3	7.8 / 2.2	
4	0	

Q1004		
1	0	FM/AM
2	0 / 2.6	
3	0 / 3.2	
4	0 / 7.8	
5	0	

(ESC P.W.Board)

IC401							
1	2.4	17	2.4	33	2.4	49	2.4
2	2.4	18	2.4	34	2.4	50	2.4
3	2.4	19	2.4	35	2.4	51	2.4
4	2.4	20	2.4	36	2.4	52	2.4
5	2.4	21	2.4	37	2.4	53	2.4
6	2.4	22	2.4	38	2.4	54	2.4
7	2.4	23	2.4	39	2.4	55	2.4
8	2.4	24	2.4	40	2.4	56	2.4
9	2.4	25	2.4	41	2.4	57	4.9
10	2.4	26	2.4	42	2.4	58	3.2
11	2.4	27	2.4	43	2.4	59	1.6
12	2.4	28	2.4	44	2.4	60	0
13	2.4	29	2.4	45	2.4	61	3.7
14	2.4	30	2.4	46	2.4	62	0
15	2.4	31	2.4	47	2.4	63	0
16	2.4	32	2.4	48	2.4	64	0

Q401	
E	0
B	5
C	0

(TOP P.W.Board)

IC451	
1	4.8
2	0
3	0
4	4.8

IC452	
1	0
2	4.8
3	4.8

Q451	
E	15
B	0
C	15

Q452	
E	0
B	4.6
C	0

Q457	
E	13
B	4.3
C	0

Q458		
1	0	
2	2.5 / 0	
3	2.3 / 14	DIMMER OFF/ON
4	2	
5	0 / 14	

[Measuring Conditions]

1. Power Supply : DC14.4V
2. Measuring Meter : Digital Multi Meter
3. Measuring Point Reference : Between GND
4. Measuring Condition : FM Mode : 98.1MHz

Description of IC Terminal

D70F3089YGJ : IC501

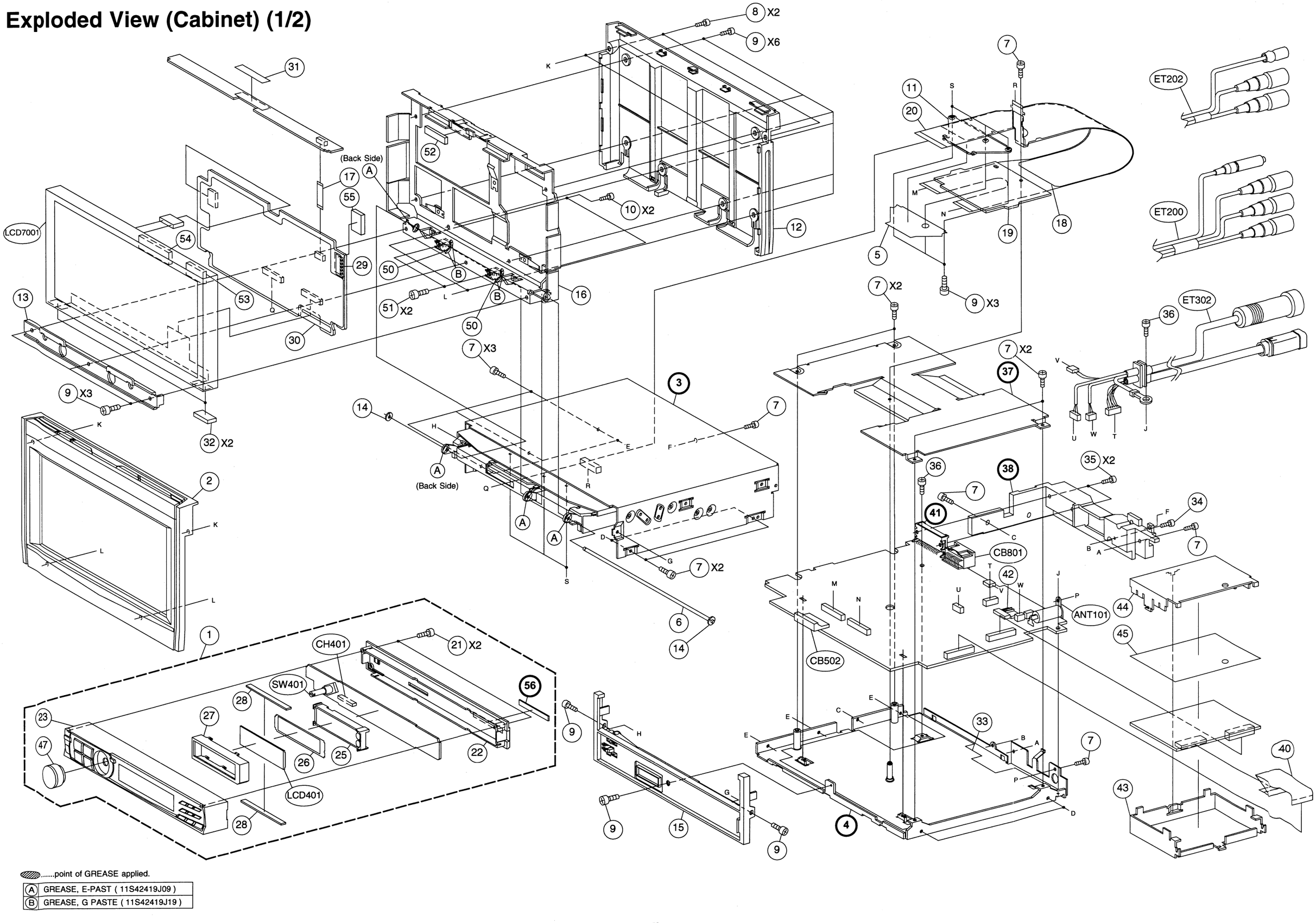
No.	Symbol	I/O	Terminal Description
1	SSTOP	I	FM station detection signal input terminal.
2	AFC	I	Adjoining rejection detected input terminal.
3	MULTIPATH	I	Multipath signal input terminal from RDS Decoder.
4	PAUSE	I	Pause signal input terminal from RDS Decoder.
5	GND	-	GND connect terminal.
6	GUIDE CONT	I	Voice guidance control signal input terminal from NAVI.
7	NRGB	I	NTSC/RGB control signal input terminal from NAVI.
8	$\overline{\text{FOOT PARK(PULL-UP)}}$	-	Pull-up connect terminal.
9	$\overline{\text{REM-SEL1}}$	O	Remote control signal switching control signal-1 output terminal for outernal Unit. (to NAVI)
10	$\overline{\text{REM-SEL2}}$	O	Remote control signal switching control signal-2 output terminal for outernal Unit. (to AUX)
11	DUMMY	I	Shattle mechanism false OPEN signal input terminal. (H : Dummy OPEN)
12	EXT $\overline{\text{ON/OFF}}$	O	Selector circuit switching output terminal at connecting ON for external BOX.
13	TUNER ON	O	TUNER power supply circuit control signal output terminal.
14	$\overline{\text{AMUTE1}}$	O	MUTE signal output terminal for MAIN Audio circuit.
15	SMUTE	O	Sound leak MUTE signal output terminal of AUX source.
16	HAND PARK	I	Hand brake signal input terminal.
17	$\overline{\text{DIMMER IN}}$	I	DIMMER signal input terminal. (L : DIMMER ON)
18	IN INT	I	IN-INT signal input terminal.
19	PWR IC ON	O	Power supply control output terminal for built-in POWER AMP.
20	AREA1	I	Area set up-1 input terminal.
21	AREA2	I	Area set up-2 input terminal.
22	VDD	-	VDD+5V connect terminal.
23 24	NC	-	No connect terminal.
25	$\overline{\text{DAC-RST}}$	O	RESET signal output terminal for DAC(BU2507FV) circuit.
26	DAC-LD	O	LD signal output terminal for DAC(BU2507FV) circuit.
27	DAC-CLK	O	Shift Clock signal output terminal for DAC(BU2507FV) circuit.
28	DAC-DI	O	Serial Data signal output terminal for DAC(BU2507FV) circuit.
29 I 31	NC	-	No connect terminal.
32	VCC CONT(DEC +5V)	O	Power supply control signal output terminal for RGB Decoder VCC1, 2 and 4.
33	VSH CONT(+5V)	O	+5V power supply circuit control signal output terminal for Liquid Crystal Display power supply.
34	VSS CONT(-16V)	O	-16V power supply circuit control signal output terminal for Liquid Crystal Display power supply.
35	VGH CONT(+13V)	O	+13V power supply circuit control signal output terminal for Liquid Crystal Display power supply.
36	NC	-	No connect terminal.
37	GND	-	GND connect terminal.
38	CPUREG	-	1μF ceramic capacitor connect terminal.
39	VDD	-	VDD+5V connect terminal.
40	$\overline{\text{RESET}}$	I	System RESET signal input terminal.
41	VPP(8.1V)	-	Terminal connected GND at usually active, connected 8.1V at erasing/writing.
42	I/F-SDA(SI0)	I/O	Serial Data input/output terminal for external BOX. (connected writng writer SO)
43	NC(SO0)	O	No connect terminal. (connected writng writer SI)

No.	Symbol	I/O	Terminal Description
44	I/F-SCL(SCK0)	O	Serial Clock output terminal for external BOX. (connected writng writer SCK)
45	BDET	I	Compulsion Stand-by detected input terminal. (BATT voltage : less than 7.65 to 8.93V)
46	BUS-IN(RXD0)	I	Ai-NET BUS Data signal input terminal. (connected TxD at writing writer UART)
47	BUS-OUT(TXD0)	O	Ai-NET BUS Data signal output terminal. (connected RxD at writing writer UART)
48	BUS-SCL(P15)	O	Ai-NET BUS Clock signal output terminal. (connected writing writer HS)
49	BUS-RS	O	Ai-NET BUS RS signal output terminal.
50	BUS-RW	O	Ai-NET BUS R/W signal output terminal.
51	BUS-RST	O	Ai-NET BUS RESET signal output terminal.
52	NAVI/AUX	O	Composite NAVI/AUX Video switching signal output terminal at un-connecting external BOX.
53	VMUTE	O	Composite signal/OSD signal/NAVI-RGB signal switching control output terminal.
54	RGB/COM	O	NAVI-RGB signal/composite signal/OSD signal switching control output terminal.
55	FM/AM	O	FM/AM power supply circuit control output terminal.
56	LCD-ON	O	Backlight circuit control signal output terminal for LC75850.
57	ADET	I	ACC stand-by detected input terminal. (ACC voltage : less than 8.5V)
58	P.ANT	O	POWER ANT circuit control signal output terminal.
59	O.REM	O	Remote signal output terminal for outernal Unit.
60	VDD	-	VDD+5V connect terminal.
61	P.CONT	O	POWER ON +B circuit control output terminal.
62	DD-SHIFT1	O	Driving frequency control output terminal for Liquid Crystal Display Monitor ±power supply circuit.
63 64	NC	-	No connect terminal.
65	DD-SHIFT2	O	Driving frequency control-1 output terminal for Liquid Crystal Display Monitor backlight circuit.
66	DD-SHIFT3	O	Driving frequency control-2 output terminal for Liquid Crystal Display Monitor backlight circuit.
67	DIM OUT	O	Backlight circuit reduced lighting control signal output terminal for Liquid Crystal Display Monitor.
68	B.L OFF	O	Backlight circuit control signal output terminal fo rLiquid Crystal Display Monitor.
69	BUS-IRQ	I	Ai-NET BUS interrupt terminal.
70 71	SUB-CLK	-	Crystal connect terminal for sub clock OSC. (32.768kHz)
72	GND	-	GND connect terminal.
73 74	MAIN-CLK	-	Crystal connect terminal for main clock OSC. (19.95MHz)
75	NC(PULL-DOWN)	-	Pull-down connect terminal.
76	BUZZER	O	BUZZER output terminal.
77	POS SW	I	Discharge position detction signal input terminal.
78	END SW	I	Storing position detction signal input terminal.
79	TILT SW	I	Horizontal position detction signal input terminal.
80	FULL SW	I	Forefront position detction signal input terminal.
81	NTSC/PAL	O	NTSC/PAL signal switching control signal output terminal.
82	MODEW	O	Aspect switching control-1 output terminal for Liquid Crystal Display monitor.
83	MODEN	O	Aspect switching control-2 output terminal for Liquid Crystal Display monitor.
84	7511-SDA	I/O	IIC Data input/output terminal for 7511-TUNER control.
85	ACT-IND	O	Green action indicator control signal output terminal. (at CLOSE : L)
86	7511-SCL	O	IIC Clock output terminal for 7511-TUNER control.
87	MCONT	O	Motor power supply circuit control signal output terminal.
88	LOAD-MTR1	O	Motor Driver driving signal-1 output terminal for horizontal movement adjustment.

No.	Symbol	I/O	Terminal Description
89	LOAD-MTR2	O	Motor Driver driving signal-2 output terminal for horizontal movement adjustment.
90	TILT-MTR1	O	Motor Driver driving signal-1 output terminal for TILT angle adjustment.
91	TILT-MTR2	O	Motor Driver driving signal-2 output terminal for TILT angle adjustment.
92	GND	-	GND connect terminal.
93	OSD-SCL	O	Serial Clock output terminal for OSD communication.
94	OSD-LAT	O	Latch signal output terminal for OSD communication.
95	OSD-SDA	O	Serial Data output terminal for OSD communication.
96	$\overline{\text{OSD-RST}}$	O	RESET signal output terminal for OSD communication.
97	RDS-SCL	O	IIC Clock output terminal for RDS Decoder control.
98	DAVN	I	Data Avilable(DAVN) input terminal from RDS Decoder circuit.
99	RDS-SDA	I/O	IIC Data input/output terminal for RDS Decoder control.
100	RDS-CONT	O	Control output terminal for preventing RDS Data input of adjoining station. (H : RDS OFF)
101	LCD-SCL	O	Serial Clock output terminal for LC75823W.
102	VDD	-	VDD+5V connect terminal.
103	LCD-SDA	O	Serial Data output terminal for LC75823W.
104	LCD-CE	O	CE signal output terminal for LC75823W.
105	$\overline{\text{LCD-INH}}$	O	INH signal output terminal for LC75823W.
106	NOSE PWR	O	Supply circuit control signal output terminal of DF NOSE Block power supply.
107	CLOSE-CONT	O	Lighting control/Remote Control receiving block switching control signal terminal of TOP Block.
108	7412-SDA	I/O	7412/EEPROM IIC Data output terminal.
109	7412-SCL	O	7412/EEPROM IIC Clock output terminal.
110	NC	-	No connect terminal.
111	RDS-RX	I	Data input terminal for RDS monitor.
112	RDS-TX	O	Data output terminal for RDS monitor.
113	NC	-	No connect terminal.
114	$\overline{\text{AUTO ADJ}}$	I	7511-TUNER auto adjustment start input terminal. (L : start)
115	AM SD	I	AM station detection signal input terminal. (H : station ON)
116	BW CONT	O	Band Width Filter switching output terminal. (H : compulsion fixed WIDE)
117	IF MUTE	O	IF MUTE signal output terminal.
118 to 124	NC	-	No connect terminal.
125	$\overline{\text{REMOCON}}$	I	Remote Control signal input terminal.
126 to 127	NC	-	No connect terminal.
128	VDD	-	VDD+5V connect terminal.
129 to 130	NC	-	No connect terminal.
131	GND	-	GND connect terminal.
132	ENC-A	I	Rotary Encoder-A input terminal.
133	ENC-B	I	Rotary Encoder-B input terminal.
134	NC	-	No connect terminal.
135	NOSE DET	I	DF NOSE attachment condition detected input terminal.
136	TILT POS	I	TILT angle detected input terminal.
137	LCD TEMP	I	Liquid Crystal Display monitor temperature detected input terminal.
138	TOP-KEY	I	KEY input terminal of TOP Block.
139	DF-KEY1	I	KEY-1 input terminal of DF Block.

No.	Symbol	I/O	Terminal Description
140	DF-KEY2	I	KEY-2 input terminal of DF Block.
141	S-METER	I	FM/AM field strength (DC voltage) input terminal.
142	ADJ-DET	I	Adjoining rejection detection signal (DC voltage) input terminal.
143	VDD	-	VDD+5V connect terminal. (for LPS control at auto Close)
144	GND	-	GND connect terminal.

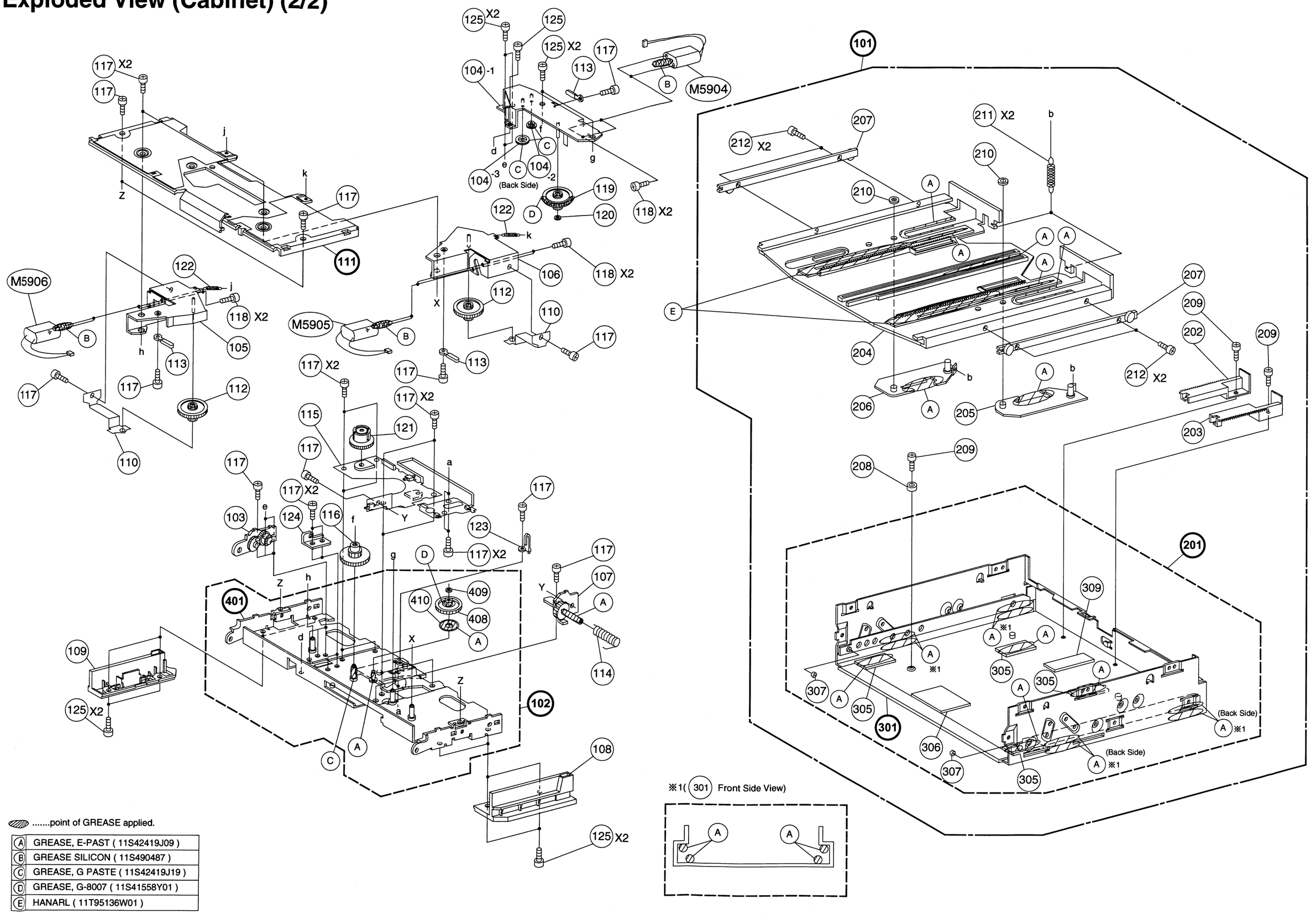
Exploded View (Cabinet) (1/2)



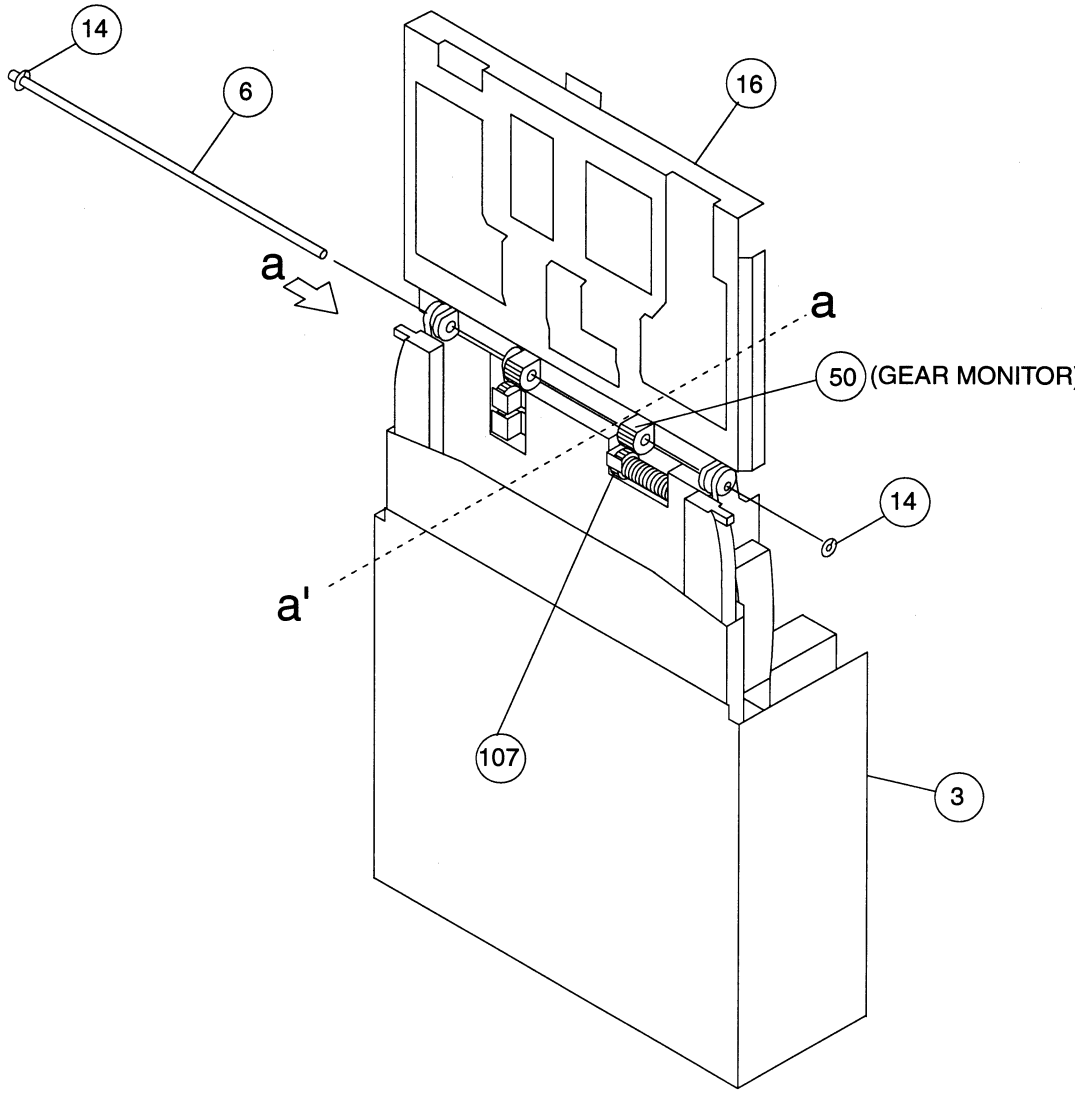
.....point of GREASE applied.

A	GREASE, E-PAST (11S42419J09)
B	GREASE, G PASTE (11S42419J19)

Exploded View (Cabinet) (2/2)



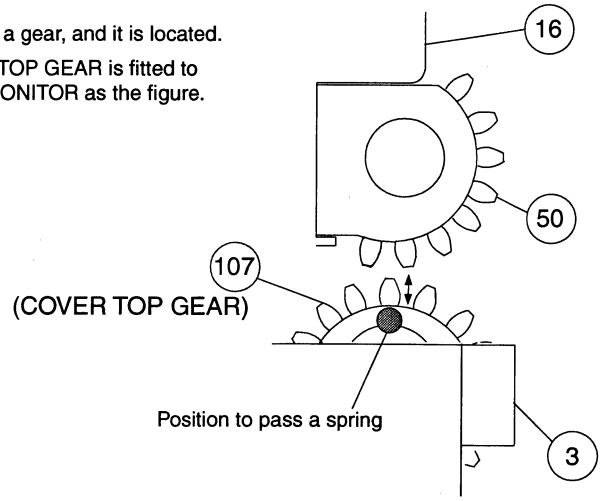
Attention in Assembling



<The figure seen from the "a" direction / a-a' Cross section / spring side>

It engages a gear, and it is located.

- COVER TOP GEAR is fitted to GEAR MONITOR as the figure.



Cabinet Assembly Parts List

Notes : The part that has not PART NUMBER will not be supplied.

#1	1	01E35509S01	ASS'Y NOSE UNIT
$1	1	01E35520S01	ASS'Y NOSE UNIT
	2	13E35510S01	NOSE,MONITOR ASS'Y
	3	----------	ASS'Y COVER TOP 1004
	4	----------	CHAS,BASE
	5	14A61454Y01	INS,FPC MECH
	6	47A03190K01	SHAFT,MONITOR
	7	03E35224S01	SCR M2.6X6(P)MCH-TPT(WHT)
	8	03E35225S01	SCR M2X6(P)TPT(BLK)
	9	03E35226S01	SCR M2X3(S)MCH(BLK-NYLOK)
	10	03E35227S01	SCR M2X5(S)TPG(WHT)
	11	15B03192K01	COVER,FPC MECH
	12	13D03183K01	NOSE,BOTTOM MONITOR
	13	07B03189K01	BKT,LCD SUB
	14	04B41345P22	WAH,2.6X6X0.35
	15	13B03179K01	FRONT,ESC,ASS'Y
	16	07C03185K01	BKT,LCD ASS'Y
	17	30E35777S01	FFC,10P-0.5-33MM
	18	14A03210K01	INS,FPC MAIN
	19	15A03193K01	HOLDER,FPC MAIN
	20	84T45542Y01	FPC MAIN 1003
	21	03E35229S01	SCR M1.7X12(P)TPG-TPT(BLK)
	22	13D03184K01	NOSE,BOTTOM DF
#1	23	13E35511S01	NOSE,PIECE ASS'Y
$1	23	13E35521S01	NOSE,PIECE ASS'Y
	25	15C80989W01	CASE,LCD ASS'Y
	26	26A80991W01	REFLECTOR,SHEET
	27	15B03194K01	COVER,LCD
	28	75T85248W02	RUBBER,ELECTRIC
	29	07T35194Y03	BKT,97-550-02-04
	30	14E35252S01	INS,LCD
	31	14A03535K01	INS,PWB TOP(44X7.7)
	32	75A03207K01	CUS,RUB 8X8XT1.0
	33	14B03236K01	INS,CHAS BASE
	34	03E35329S01	SCR M2.6X8(P)MCH-TPT(WHT)
	35	03E35330S01	SCR M2.6X14(SW)MCH(WHT)
	36	03E35331S01	SCR M2.6X6.5(S/W)MCH-TPT(WHT)
	37	----------	COVER,PWB MAIN
	38	----------	HEAT,SINK
	40	09E35332S01	FFC,40P-0.5-35MM
	41	----------	BKT,IC
	42	36A70327W01	KNOB SLIDE
	43	15C50755Y01	CASE,SHIELD(A)
	44	15C50756Y03	CASE,SHIELD(B)
	45	14E35531S01	INSULATOR,TUNER
	47	36E35231S01	KNOB,ROTARY ASS'Y
	50	44A41305Y01	GEAR MONITOR
	51	03E35532S01	SCR M3X6(SW)MCH(P)
	52	75S61553Y10	CUS,RUB 20X8XT1
	53	75S61553Y11	CUS,RUB 12X8XT0.2
	54	75S61553Y12	CUS,RUB 28X8XT0.2
	55	75S61553Y15	CUS,RUB 7X13XT1.5
	56	----------	PLATE,SERIAL NO.
	101	----------	CHAS,TOP ASSY
	102	----------	CHAS,TURNER ASSY
	103	07A31682Y03	BKT,GEAR ASSY
	104	07B31689Y02	BKT,MTR TL ASSY
	105	07A31694Y02	BKT,MTR(R) ASSY
	106	07A31697Y02	BKT,MTR(L) ASSY
	107	07A31899Y01	BKT,SPRING ASSY
	108	45C41333Y01	SLIDE,LOAD(L)
	109	45C41334Y01	SLIDE,LOAD(R)
	110	15A31703Y01	COVER,CLUTCH
	111	----------	COVER,TURNER ASSY
	112	44B90541W03	GEAR,CLUTCH ASSY
	113	37A30331Y02	BAND,WIRE
	114	41A31708Y03	SPRING,MONITOR
	115	01T35508Y01	ASSY,FPC MECH T720
	116	44A50311Y01	GEAR,KF4
	117	03S94385F78	SCR,NYLOCK M2X2 BLK
	118	03S68259F23	SCR,P-LOCK M2X3
	119	44T55605Y01	GEAR,CLUTCH ASSY
	120	04B41345P02	WASH,1.7X3.5X0.25
	121	44A41410Y01	GEAR,LPS ASSY
	122	41A31716Y01	SPRING,MTR LD
	123	15A40020Y01	HOLDER,FPC MECH
	124	07A40411Y01	BKT,BEVEL
	125	03S94385F24	SCREW,NYLOK
	201	----------	COVER,TOP ASSY
	202	44B31651Y01	RACK,CHAS(R)
	203	44B31650Y01	RACK,CHAS(L)
	204	27D31652Y02	CHAS,BASE MID
	205	45A31653Y01	ARM LOCK(L),ASSY
	206	45A31657Y01	ARM LOCK(R),ASSY
	207	07A31896Y01	BKT,SIDE
	208	43A31659Y01	ROLLER,CENTER
	209	03S94385F78	SCR,NYLOK M2X2 BLK
	210	04B41345P22	WASH,2.6X6X0.35
	211	41A31660Y01	SPRING,ARM LOCK
	212	03S94385F19	SCR,NYLOK M2X2.5
	301	----------	COVER,TOP
	305	75A40671Y02	CUS,COVER TOP A
	306	75A40672Y01	CUS,COVER TOP B
	307	43A41407Y01	ROLLER,SLIDE
	309	75A40671Y01	CUS,COVER TOP A
	401	----------	CHAS,TURNER
	408	44A21719Y01	GEAR,T-3
	409	04B41345P14	WASH,L. 2.1X4X0.25
	410	14A40506Y01	INS,GEAR T3

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

Electrical Parts List

*********MAIN P.W.Board**

=======IC's			
	IC101	51T15132Y02	SAA6588T-SE9
	IC141	51T35743Y01	IC,TC7W66FU-TE12L-SE1
	IC201	51T45495Y02	TA8270H(A)-ZS
	IC271	51T35743Y01	IC,TC7W66FU-TE12L-SE1
	IC301	51E35466S01	IC,TC7W32FU-TE12L-SE1
	IC303	51E35469S01	TC7SH00FU-TE85L
	IC304	51T45053Y01	TC74HC4053AFT-SE5
	IC501	51T55587Y10	MTP,D70F3089YGJ
	IC511	51E35421S01	IC,BA8275F-E2-SE2-CP
	IC541	51T55070W05	MB88385CPF-ER-SE9
	IC704	51E35471S01	IC,NJM2529FN1-QT
	IC707	51E35467S01	IC,NJM2535V-TE2-SE2
	IC708	51E35418S01	IC,TC74HC4538AFT-EL-SE5-CP
	IC709	51T45491Y02	CD0039AM-SE9
	IC710	51E35468S01	IC,BA7606FS-E2-SE5
	IC714	51E35419S01	IC,TC7S32FU-TE85L-CP
	IC776	51E35420S01	IC,BU2507FV-E2-CP
	IC801	51T85450W01	IC,TDA3606
	IC807	51T75523W01	TL5001-SE6
	IC808	51T75628W02	BA6285AFP-Y-E2-SE9
	IC810	51T75628W02	BA6285AFP-Y-E2-SE9
	IC811	51T75628W02	BA6285AFP-Y-E2-SE9
	IC813	51T25449Y01	AN8018SA-E1-SE2
	IC821	51T15724Y04	IC,AN79L05M-E1-NE2
	IC851	51T75197W10	AN77L10M-E1-NE2
	IC861	51T75197W10	AN77L10M-E1-NE2
	IC862	51E35470S01	BA00BC0WFP-E2
	IC863	51E35470S01	BA00BC0WFP-E2
	IC871	51T75197W08	AN77L08M-TX-NE2
	IC872	51T75197W07	AN77L07M-E1-NE2
	IC878	51T75197W05	AN77L05M-TM-NE2

=======Transistors/ FET			
	Q101	48T45594W12	TR, XN1A312-TX-CP
	Q125	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q126	48T45594W16	TR XN1A311-TX-CP
	Q141	48E35264S01	TR,DTC124EE-TL-CP
	Q142	48E35264S01	TR,DTC124EE-TL-CP
	Q147	48E35264S01	TR,DTC124EE-TL-CP
	Q204	48T25317Y01	TR XN0F256-TX-CP
	Q206	48T25317Y01	TR XN0F256-TX-CP
	Q207	48T45594W12	TR, XN1A312-TX-CP
	Q208	48E35264S01	TR,DTC124EE-TL-CP
	Q209	48E35264S01	TR,DTC124EE-TL-CP
	Q210	48T45594W12	TR, XN1A312-TX-CP
	Q271	48E35264S01	TR,DTC124EE-TL-CP
	Q301	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q302	48E35265S01	TR,DTC114EE-TL-CP
	Q303	48E35265S01	TR,DTC114EE-TL-CP
	Q304	48E35265S01	TR,DTC114EE-TL-CP
	Q503	48T45594W12	TR, XN1A312-TX-CP
	Q541	48E35422S01	TR,DTA114EE-TL-CP
	Q605	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q606	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q607	48E35265S01	TR,DTC114EE-TL-CP
	Q608	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q609	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q610	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q611	48E35265S01	TR,DTC114EE-TL-CP
	Q612	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q613	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q614	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q615	48E35265S01	TR,DTC114EE-TL-CP
	Q616	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q617	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q618	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q620	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q701	48E35431S01	TR,2SC3265-Y-85L-CP
	Q709	48E35264S01	TR,DTC124EE-TL-CP
	Q711	48E35472S01	TR,DTC143TE-TL-CP
	Q712	48E35472S01	TR,DTC143TE-TL-CP
	Q713	48E35472S01	TR,DTC143TE-TL-CP
	Q775	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q776	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q801	48E35434S01	TR,2SB1198K-QR-146-CP
	Q802	48T45594W12	TR, XN1A312-TX-CP
	Q803	48E35424S01	TR,2SA1797-Q-T100-E2
	Q804	48T25693Y04	TR,2SD1742-P-TX-E9
	Q805	48E35429S01	TR,DTC143XE-TL-CP
	Q806	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q808	48T25693Y04	TR,2SD1742-P-TX-E9
	Q809	48T45594W16	TR XN1A311-TX-CP
	Q811	48T45594W12	TR, XN1A312-TX-CP
	Q812	48E35265S01	TR,DTC114EE-TL-CP
	Q816	48E35263S01	TR,DTA143EE-TL-CP
	Q817	48E09399S01	TR,2SB 1243,P,Q,R-TV4-RD
	Q818	48E35423S01	TR,2SA1774-QRS-TL-CP
	Q819	48E09399S01	TR,2SB 1243,P,Q,R-TV4-RD
	Q820	48E35264S01	TR,DTC124EE-TL-CP
	Q821	48E35428S01	TR,DTC123EE-TL-CP
	Q822	48E35428S01	TR,DTC123EE-TL-CP
	Q824	48E35264S01	TR,DTC124EE-TL-CP
	Q825	48E35263S01	TR,DTA143EE-TL-CP
	Q826	48E35264S01	TR,DTC124EE-TL-CP
	Q827	48E35435S01	TR,2SD1760-R-E5
	Q828	48T65515Y01	TR,2SA2067-P-RD
	Q829	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q830	48E35424S01	TR,2SA1797-Q-T100-E2

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	Q831	48T75133W01	FET,2SJ327-Z-E1-E5
	Q832	48E35427S01	TR,DTC144EE-TL-CP
	Q833	48E35265S01	TR,DTC114EE-TL-CP
	Q835	48E33332S01	TR,IMZ4 108-SMT6
	Q836	48E35434S01	TR,2SB1198K-QR-146-CP
	Q837	48E35427S01	TR,DTC144EE-TL-CP
	Q838	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q839	48E35430S01	TR,2SC4617-QRS-TL-CP
	Q840	48E35264S01	TR,DTC124EE-TL-CP
	Q841	48E35264S01	TR,DTC124EE-TL-CP
	Q842	48T45594W16	TR XN1A311-TX-CP
	Q843	48E35264S01	TR,DTC124EE-TL-CP
	Q844	48E35433S01	TR,2SC4081R-T106-CP
	Q846	48T45594W12	TR, XN1A312-TX-CP
	Q851	48T65516Y02	TR,2SC5788-P-RD
	Q852	48T65516Y02	TR,2SC5788-P-RD
	Q853	48T65516Y02	TR,2SC5788-P-RD
	Q854	48T65516Y02	TR,2SC5788-P-RD
	Q855	48T65516Y02	TR,2SC5788-P-RD
	Q857	48E35432S01	TR,2SC4540-TE12L-E2
	Q858	48E35425S01	TR,2SA1735-TE12L-E2
	Q865	48T65516Y02	TR,2SC5788-P-RD
	Q866	48T65516Y02	TR,2SC5788-P-RD
	Q867	48T45594W16	TR XN1A311-TX-CP
	Q881	48T45594W16	TR XN1A311-TX-CP
	Q882	48T45594W12	TR, XN1A312-TX-CP
	Q883	48E35473S01	TR,2SD1782K-QR-T146
	Q884	48E35426S01	TR,2SA1298-Y-TE85L
	Q961	48E35435S01	TR,2SD1760-R-E5

=======Diodes			
	D121	48T85357W01	DIO, 1PS 226-CP
	D203	48E35416S01	DIO,DAP222-TL-CP
	D204	48E35416S01	DIO,DAP222-TL-CP
	D222	48T25593Y01	DIO S1G-6601-E1
	D224	48T25593Y01	DIO S1G-6601-E1
	D226	48T25593Y01	DIO S1G-6601-E1
	D228	48T25593Y01	DIO S1G-6601-E1
	D301	48E35415S01	DIO,DAN222-TL-CP
	D541	48E35462S01	DIO,1SS355-TE17-CP
	D801	48E35462S01	DIO,1SS355-TE17-CP
	D805	48E35415S01	DIO,DAN222-TL-CP
	D806	48T85357W01	DIO, 1PS 226-CP
	D807	48T25593Y01	DIO S1G-6601-E1
	D808	48E35462S01	DIO,1SS355-TE17-CP
	D809	48T25593Y01	DIO S1G-6601-E1
	D811	48E35415S01	DIO,DAN222-TL-CP
	D814	48E35417S01	DIO,DA227-TL-CP
	D816	48E35417S01	DIO,DA227-TL-CP
	D820	48T15702W01	DIO,CP SB05-05-CP
	D821	48T15702W01	DIO,CP SB05-05-CP
	D861	48T25593Y01	DIO S1G-6601-E1
	D862	48T25593Y01	DIO S1G-6601-E1
	D863	48T25593Y01	DIO S1G-6601-E1
	SD801	48E35465S01	DIO,SHT RB050L-40-E1
	ZD301	48E35464S01	DIO ZEN RLZ 5.6B-TE11-CP
	ZD302	48E35464S01	DIO ZEN RLZ 5.6B-TE11-CP
	ZD303	48T15541Y53	DIO,ZEN MAZS0560H-CP
	ZD304	48T15541Y53	DIO,ZEN MAZS0560H-CP
	ZD305	48T15541Y53	DIO,ZEN MAZS0560H-CP
	ZD307	48T15541Y53	DIO,ZEN MAZS0560H-CP
	ZD541	48T15541Y51	DIO,ZEN MAZS0560L-CP
	ZD542	48E35463S01	DIO,ZEN RLZ7.5A-CP
	ZD543	48E35463S01	DIO,ZEN RLZ7.5A-CP
	ZD801	48T25766W03	DIO,ZEN HZS-6A3L-R5
	ZD802	48T25766W28	DIO,ZEN HZS11A2L-R5
	ZD803	48T25766W03	DIO,ZEN HZS-6A3L-R5
	ZD804	48T15541Y60	DIO,ZEN MAZS0750L-CP
	ZD805	48T25064Y02	DIO, ZEN ZSH5MA27A-ED
	ZD808	48T15541Y66	DIO,ZEN MAZS0910L-CP
	ZD809	48T15541Y60	DIO,ZEN MAZS0750L-CP
	ZD810	48T25766W22	DIO, ZEN HZS 9B2L-R5
	ZD961	48T25766W26	DIO, ZEN HZS 9C3L-R5

=======Coils			
	L121	24T65645Y01	IND,LEM3225 4R7J-CP
	L122	24E35437S01	COIL,IND.FCI3216-15R-M-CP
	L123	24T35286Y01	IND,MG56 523J-DB
	L131	24E35515S01	COIL,IND.FCI3216-4R7-M-CP
	L541	24T95457W18	FBI,BLM21PG221SH1-CP
	L701	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L702	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L704	24T25164Y17	IND,FSLM2520 2R2J-CP
	L705	24T25164Y35	IND,FSLM2520 68RJ-CP
	L706	24T35482Y01	COIL,VTR FSDV-E6
	L751	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L752	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L754	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L801	24E35336S01	COIL,CHOK EL19 1.2MH MIN
	L802	24T95202W19	IND,CDRH64B 331M-E6
	L803	24T95202W21	IND,CDRH64B 471M-E6
	L804	24T25565Y11	IND,SLF12565 221M-EA
	L805	24T25578Y13	IND,D124C 101M-EA

=======Filters			
	CF121	91T75257W01	LPF,LPF11830KH-3C-DB
	L101	91E35436S01	EMI,BK1608HM102-CP
	L102	91E35436S01	EMI,BK1608HM102-CP
	L132	91E35436S01	EMI,BK1608HM102-CP
	L501	91E35436S01	EMI,BK1608HM102-CP
	L502	91E35436S01	EMI,BK1608HM102-CP
	L503	91E35436S01	EMI,BK1608HM102-CP
	L506	91E35436S01	EMI,BK1608HM102-CP
	L542	91E35436S01	EMI,BK1608HM102-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	L543	91E35436S01	EMI,BK1608HM102-CP
	L753	91E35436S01	EMI,BK1608HM102-CP
	L755	91E35436S01	EMI,BK1608HM102-CP
	L756	91E35436S01	EMI,BK1608HM102-CP

=======Crystals			
	XL101	91E35518S01	XTL,CMR309T 4.332M
	XL501	91E35474S01	XTL,CMR309T 19.9M-E9
	XL502	91E35475S01	XTL,CMR200T 32.7K-E5
	XL541	91E35476S01	XTL,CMR310T 4.00M-E9
	XL701	91T35643Y01	XTL,DSX151GA 3.57-E9
	XL702	91T35643Y02	XTL,DSX151GA 4.43-E9

=======Fuses			
	F802	65T35516Y01	FUSE,TF16N 0.25A-CP
	F803	65T35516Y08	FUSE TF16N 1.60A-CP
	F804	65T35516Y03	FUSE,TF16N 0.50A-CP
	F805	65T35516Y03	FUSE,TF16N 0.50A-CP

=======Switches			
	SW201	40T45282W02	SW.SLIDE SLD-42-508X(NORM/ (EQ/ DIV))
	SW801	40E35345S01	SW,TACT SKHHLW(RESET)

=======Buzzer			
	BZ801	50T15447Y01	BUZZER,PKM13EPY-4002

=======Surge Protector			
	SA121	48T45306Y01	VST,CSA30-201M-CP

=======Capacitors			
	C102	08E35308S01	CAP,CER 561-J-CG1H-CP
	C104	08E35306S01	CAP,CER 331-J-CG1H-CP
	C105	08S35349Y16	CAP,CER 105K-B1A-CP
	C106	08E35304S01	CAP,CER 101-J-CG1H-CP
	C107	08E35413S01	CAP,CER 222-K-B1H-CP
	C108	08E35413S01	CAP,CER 222-K-B1H-CP
	C109	08E35410S01	CAP,CER 27R-J-CG1H-CP
	C110	08E35262S01	CAP,CER 223-K-B1H-CP
	C111	08E35410S01	CAP,CER 27R-J-CG1H-CP
	C113	08S35374W12	CAP,CER 106K-B0J-CP
	C114	08S35349Y17	CAP,CER 225K-B0J-CP(1608)
	C121	08E22085S01	CAP,CER.21-X7R-223-K-CP
	C125	08E35310S01	CAP,CER 103-K-B1H-CP
	C126	08E23745S01	CAP,CER.31-CG-100-D-CP
	C131	08E35309S01	CAP,CER 102-J-CG1H-CP
	C132	08E35409S01	CAP,CER 22R-J-CG1H-CP
	C133	08E35248S01	CAP,CER 473-K-B1E-CP
	C141	08E35312S01	CAP,CER 104-K-B1E-CP
	C142	08E35313S01	CAP,CER 224-K-B1A-CP
	C143	08E35413S01	CAP,CER 222-K-B1H-CP
	C144	08E35312S01	CAP,CER 104-K-B1E-CP
	C145	08S35374W12	CAP,CER 106K-B0J-CP
	C146	08S35374W12	CAP,CER 106K-B0J-CP
	C147	08E35312S01	CAP,CER 104-K-B1E-CP
	C151	08S35349Y16	CAP,CER 105K-B1A-CP
	C152	08S35349Y16	CAP,CER 105K-B1A-CP
	C211	08S35349Y16	CAP,CER 105K-B1A-CP
	C212	08S35349Y16	CAP,CER 105K-B1A-CP
	C213	08S35349Y16	CAP,CER 105K-B1A-CP
	C214	08S35349Y16	CAP,CER 105K-B1A-CP
	C215	08E22085S01	CAP,CER.21-X7R-223-K-CP
	C216	08E35310S01	CAP,CER 103-K-B1H-CP
	C221	08E35313S01	CAP,CER 224-K-B1A-CP
	C231	08S35350Y04	CAP,CER 105K-B1C-CP
	C232	08S35350Y04	CAP,CER 105K-B1C-CP
	C233	08S35350Y04	CAP,CER 105K-B1C-CP
	C234	08S35350Y04	CAP,CER 105K-B1C-CP
	C235	08S35350Y04	CAP,CER 105K-B1C-CP
	C236	08S35350Y04	CAP,CER 105K-B1C-CP
	C237	08S35350Y04	CAP,CER 105K-B1C-CP
	C238	08S35350Y04	CAP,CER 105K-B1C-CP
	C239	08S35350Y04	CAP,CER 105K-B1C-CP
	C240	08S35350Y04	CAP,CER 105K-B1C-CP
	C241	08T81833F08	CAP,CER 475K-B1A-CP
	C242	08T81833F08	CAP,CER 475K-B1A-CP
	C243	08T81833F08	CAP,CER 475K-B1A-CP
	C244	08T81833F08	CAP,CER 475K-B1A-CP
	C245	08S35350Y04	CAP,CER 105K-B1C-CP
	C250	08E35309S01	CAP,CER 102-J-CG1H-CP
	C251	08E35309S01	CAP,CER 102-J-CG1H-CP
	C254	08E35309S01	CAP,CER 102-J-CG1H-CP
	C255	08E35309S01	CAP,CER 102-J-CG1H-CP
	C259	08E35262S01	CAP,CER 223-K-B1H-CP
	C261	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C262	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C263	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C264	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C265	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C266	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C267	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C268	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C271	08E35312S01	CAP,CER 104-K-B1E-CP
	C301	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C302	08E35309S01	CAP,CER 102-J-CG1H-CP
	C303	08E35412S01	CAP,CER 152-K-B1H-CP
	C304	08E35312S01	CAP,CER 104-K-B1E-CP
	C305	08E35312S01	CAP,CER 104-K-B1E-CP
	C306	08E35312S01	CAP,CER 104-K-B1E-CP
	C307	08S35374W12	CAP,CER 106K-B0J-CP
	C501	08E35262S01	CAP,CER 223-K-B1H-CP
	C502	08S35349Y16	CAP,CER 105K-B1A-CP
	C503	08E35460S01	CAP,CER 12R-J-CG1H-CP
	C504	08E35460S01	CAP,CER 12R-J-CG1H-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	C505	08E35460S01	CAP,CER 12R-J-CG1H-CP
	C506	08E35461S01	CAP,CER 15R-J-CG1H-CP
	C507	08E35310S01	CAP,CER 103-K-B1H-CP
	C508	08E22085S01	CAP,CER.21-X7R-223-K-CP
	C511	08S35374W12	CAP,CER 106K-B0J-CP
	C512	08E35304S01	CAP,CER 101-J-CG1H-CP
	C513	08E35304S01	CAP,CER 101-J-CG1H-CP
	C542	08E35410S01	CAP,CER 27R-J-CG1H-CP
	C543	08E35410S01	CAP,CER 27R-J-CG1H-CP
	C544	08E35262S01	CAP,CER 223-K-B1H-CP
	C599	08E35310S01	CAP,CER 103-K-B1H-CP
	C606	08S35349Y16	CAP,CER 105K-B1A-CP
	C607	08S35349Y16	CAP,CER 105K-B1A-CP
	C608	08S35349Y16	CAP,CER 105K-B1A-CP
	C611	08T81833F08	CAP,CER 475K-B1A-CP
	C701	08E35262S01	CAP,CER 223-K-B1H-CP
	C702	08E35310S01	CAP,CER 103-K-B1H-CP
	C703	08E35262S01	CAP,CER 223-K-B1H-CP
	C704	08E35312S01	CAP,CER 104-K-B1E-CP
	C705	08E35248S01	CAP,CER 473-K-B1E-CP
	C706	08E35310S01	CAP,CER 103-K-B1H-CP
	C707	08E35517S01	CAP,CER 56R-J-CG1H-CP
	C708	08E35247S01	CAP,CER 681-J-CG1H-CP
	C709	08E35459S01	CAP,CER 3R0-C-CG1H-CP
	C710	08E35310S01	CAP,CER 103-K-B1H-CP
	C711	08E35414S01	CAP,CER 474-K-B1C-CP
	C712	08E35459S01	CAP,CER 3R0-C-CG1H-CP
	C713	08S35349Y16	CAP,CER 105K-B1A-CP
	C714	08E35304S01	CAP,CER 101-J-CG1H-CP
	C715	08E35262S01	CAP,CER 223-K-B1H-CP
	C716	08E35310S01	CAP,CER 103-K-B1H-CP
	C717	08E35312S01	CAP,CER 104-K-B1E-CP
	C718	08E35410S01	CAP,CER 27R-J-CG1H-CP
	C719	08E35312S01	CAP,CER 104-K-B1E-CP
	C720	08E35310S01	CAP,CER 103-K-B1H-CP
	C721	08E35312S01	CAP,CER 104-K-B1E-CP
	C722	08E35312S01	CAP,CER 104-K-B1E-CP
	C723	08E35312S01	CAP,CER 104-K-B1E-CP
	C724	08E35312S01	CAP,CER 104-K-B1E-CP
	C725	08E35312S01	CAP,CER 104-K-B1E-CP
	C726	08E35312S01	CAP,CER 104-K-B1E-CP
	C727	08E35310S01	CAP,CER 103-K-B1H-CP
	C728	08E35310S01	CAP,CER 103-K-B1H-CP
	C729	08E35310S01	CAP,CER 103-K-B1H-CP
	C730	08E35310S01	CAP,CER 103-K-B1H-CP
	C731	08E35310S01	CAP,CER 103-K-B1H-CP
	C732	08E35310S01	CAP,CER 103-K-B1H-CP
	C733	08E35262S01	CAP,CER 223-K-B1H-CP
	C734	08S35349Y16	CAP,CER 105K-B1A-CP
	C735	08S35349Y16	CAP,CER 105K-B1A-CP
	C736	08S35349Y16	CAP,CER 105K-B1A-CP
	C737	08S35349Y16	CAP,CER 105K-B1A-CP

	C738	08E35309S01	CAP,CER 102-J-CG1H-CP
	C739	08S35349Y16	CAP,CER 105K-B1A-CP
	C740	08E35310S01	CAP,CER 103-K-B1H-CP
	C741	08E35312S01	CAP,CER 104-K-B1E-CP
	C742	08E35310S01	CAP,CER 103-K-B1H-CP
	C743	08E35312S01	CAP,CER 104-K-B1E-CP
	C744	08S35374W12	CAP,CER 106K-B0J-CP
	C745	08E35310S01	CAP,CER 103-K-B1H-CP
	C746	08S35374W12	CAP,CER 106K-B0J-CP
	C747	08E35312S01	CAP,CER 104-K-B1E-CP
	C748	08E35262S01	CAP,CER 223-K-B1H-CP
	C749	08S35309S01	CAP,CER 102-J-CG1H-CP
	C750	08E35262S01	CAP,CER 223-K-B1H-CP
	C751	08E35262S01	CAP,CER 223-K-B1H-CP
	C752	08E35411S01	CAP,CER 51R-J-CG1H-CP
	C753	08E35262S01	CAP,CER 223-K-B1H-CP
	C754	08E35309S01	CAP,CER 102-J-CG1H-CP
	C755	08E35414S01	CAP,CER 474-K-B1C-CP
	C756	08S35349Y16	CAP,CER 105K-B1A-CP
	C757	08S35349Y16	CAP,CER 105K-B1A-CP
	C758	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C759	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C760	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C761	08S35349Y16	CAP,CER 105K-B1A-CP
	C762	08E35262S01	CAP,CER 223-K-B1H-CP
	C763	08S35349Y16	CAP,CER 105K-B1A-CP
	C764	08S35349Y16	CAP,CER 105K-B1A-CP
	C765	08S35349Y16	CAP,CER 105K-B1A-CP
	C766	08S35349Y16	CAP,CER 105K-B1A-CP
	C767	08S35349Y16	CAP,CER 105K-B1A-CP
	C768	08S35349Y16	CAP,CER 105K-B1A-CP
	C772	08E35262S01	CAP,CER 223-K-B1H-CP
	C774	08S35350Y04	CAP,CER 105K-B1C-CP
	C775	08S35350Y04	CAP,CER 105K-B1C-CP
	C776	08S35349Y16	CAP,CER 105K-B1A-CP
	C779	08S35374W12	CAP,CER 106K-B0J-CP
	C800	08S45539Y04	CAP, CER 103KX7R2J-CP
	C801	08E35262S01	CAP,CER 223-K-B1H-CP
	C803	08E35312S01	CAP,CER 104-K-B1E-CP
	C805	08S35350Y04	CAP,CER 105K-B1C-CP
	C806	08E22085S01	CAP,CER.21-X7R-223-K-CP
	C809	08E22085S01	CAP,CER.21-X7R-223-K-CP
	C810	08E26532S01	CAP,CER.21-X7R-104-K-CP
	C811	08E35414S01	CAP,CER 474-K-B1C-CP
	C813	08E35312S01	CAP,CER 104-K-B1E-CP
	C814	08S45539Y04	CAP, CER 103KX7R2J-CP
	C815	08E35248S01	CAP,CER 473-K-B1E-CP
	C816	08T65463Y01	CAP,CER 335K-B1A-CP(2012)
	C817	08S35350Y04	CAP,CER 105K-B1C-CP
	C818	08E35262S01	CAP,CER 223-K-B1H-CP
	C819	08E35309S01	CAP,CER 102-J-CG1H-CP
	C820	08E35262S01	CAP,CER 223-K-B1H-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	C821	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C822	08T65463Y01	CAP,CER 335K-B1A-CP(2012)
	C823	08E35312S01	CAP,CER 104-K-B1E-CP
	C825	08E35262S01	CAP,CER 223-K-B1H-CP
	C826	08S35374W12	CAP,CER 106K-B0J-CP
	C827	08E35310S01	CAP,CER 103-K-B1H-CP
	C828	08E35310S01	CAP,CER 103-K-B1H-CP
	C829	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C830	08T81833F13	CAP,CER 106K-B1C-CP
	C831	08E35262S01	CAP,CER 223-K-B1H-CP
	C832	08E35262S01	CAP,CER 223-K-B1H-CP
	C833	08E35262S01	CAP,CER 223-K-B1H-CP
	C837	08E35262S01	CAP,CER 223-K-B1H-CP
	C838	08E35262S01	CAP,CER 223-K-B1H-CP
	C839	08E35262S01	CAP,CER 223-K-B1H-CP
	C841	08E35262S01	CAP,CER 223-K-B1H-CP
	C842	08E35262S01	CAP,CER 223-K-B1H-CP
	C845	08E35262S01	CAP,CER 223-K-B1H-CP
	C846	08E35262S01	CAP,CER 223-K-B1H-CP
	C849	08E35313S01	CAP,CER 224-K-B1A-CP
	C850	08E35310S01	CAP,CER 103-K-B1H-CP
	C851	08E35312S01	CAP,CER 104-K-B1E-CP
	C852	08E35312S01	CAP,CER 104-K-B1E-CP
	C853	08E35262S01	CAP,CER 223-K-B1H-CP
	C854	08T55401W55	CAP,TF 391G-1H-CP
	C855	08S35349Y17	CAP,CER 225K-B0J-CP(1608)
	C856	08E35310S01	CAP,CER 103-K-B1H-CP
	C857	08E35312S01	CAP,CER 104-K-B1E-CP
	C861	08S35374W12	CAP,CER 106K-B0J-CP
	C862	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C863	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C864	08T81833F13	CAP,CER 106K-B1C-CP
	C865	08T81833F13	CAP,CER 106K-B1C-CP
	C866	08T81833F13	CAP,CER 106K-B1C-CP
	C867	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C868	08S35374W12	CAP,CER 106K-B0J-CP
	C871	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C872	08T81833F13	CAP,CER 106K-B1C-CP
	C873	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C874	08T65463Y01	CAP,CER 335K-B1A-CP(2012)
	C878	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C879	08S35374W12	CAP,CER 106K-B0J-CP
	C961	08E35312S01	CAP,CER 104-K-B1E-CP
	C962	08T65463Y02	CAP,CER 334K-B1H-CP(2012)
	C963	08S35350Y04	CAP,CER 105K-B1C-CP
	E211	23E35457S01	CAP,CBZ 1R0-1H(4)
	E212	23E35457S01	CAP,CBZ 1R0-1H(4)
	E213	23E35457S01	CAP,CBZ 1R0-1H(4)
	E214	23E35457S01	CAP,CBZ 1R0-1H(4)
	E223	23T75487W37	CAP,RZ 332-1C +
	E225	23T65002Y07	CAP,MVZ 10R-1E-D60E2
	E226	23T65002Y03	CAP,MVZ 101-1C-F60E6

	E605	23E35455S01	CAP,CB 101-1A(6.3)
	E606	23E35454S01	CAP,CB 470-1C(6.3)
	E607	23E35455S01	CAP,CB 101-1A(6.3)
	E608	23E35454S01	CAP,CB 470-1C(6.3)
	E609	23E35455S01	CAP,CB 101-1A(6.3)
	E610	23E35454S01	CAP,CB 470-1C(6.3)
	E701	23T65002Y03	CAP,MVZ 101-1C-F60E6
	E702	23T65002Y03	CAP,MVZ 101-1C-F60E6
	E703	23T65002Y03	CAP,MVZ 101-1C-F60E6
	E704	23T65002Y03	CAP,MVZ 101-1C-F60E6
	E801	23T65002Y05	CAP,MVZ 471-1C-H10EA
	E802	23E35453S01	CAP,CB 330-1E(6.3)
	E805	23E35456S01	CAP,CB 221-1A(8)
	E806	23E35452S01	CAP,CB 220-1C(4)
	E807	23E35455S01	CAP,CB 101-1A(6.3)
	E811	23T65002Y07	CAP,MVZ 10R-1E-D60E2
	E812	23E35457S01	CAP,CBZ 1R0-1H(4)
	E817	23T65002Y02	CAP,MVZ 331-1E-H10EA
	E818	23T65002Y02	CAP,MVZ 331-1E-H10EA
	E819	23T65002Y05	CAP,MVZ 471-1C-H10EA
	E820	23T65002Y05	CAP,MVZ 471-1C-H10EA
	E821	23T65002Y04	CAP,MVZ 102-1A-J10EA
	E827	23T75487W37	CAP,RZ 332-1C +
	E829	23T65002Y02	CAP,MVZ 331-1E-H10EA
	E830	23T65002Y03	CAP,MVZ 101-1C-F60E6
	E831	23T65002Y02	CAP,MVZ 331-1E-H10EA
	E848	23E35457S01	CAP,CBZ 1R0-1H(4)

=======Resistors			
	JP001	06E31825S01	RES,CF, 0R0-J-1/ 4-CP
	R104	06E35238S01	RES,CF,223-J-1/ 16-CP
	R105	06E35379S01	RES,CF,102-J-1/ 16-CP
	R106	06E35275S01	RES,CF,103-J-1/ 16-CP
	R107	06E35275S01	RES,CF,103-J-1/ 16-CP
	R108	06E35395S01	RES,CF,474-J-1/ 16-CP
	R109	06E35383S01	RES,CF,182-J-1/ 16-CP
	R121	06E35270S01	RES,CF,10R-J-1/ 4-CP
	R125	06E35386S01	RES,CF,332-J-1/ 16-CP
	R126	06E35382S01	RES,CF,152-J-1/ 16-CP
	R143	06E35273S01	RES,CF,472-J-1/ 16-CP
	R144	06E35392S01	RES,CF,753-J-1/ 16-CP
	R145	06E35393S01	RES,CF,104-J-1/ 16-CP
	R147	06E35275S01	RES,CF,103-J-1/ 16-CP
	R148	06E35275S01	RES,CF,103-J-1/ 16-CP
	R149	06E35393S01	RES,CF,104-J-1/ 16-CP
	R151	06E35257S01	RES,CF,101-J-1/ 16-CP
	R152	06E35257S01	RES,CF,101-J-1/ 16-CP
	R225	06E35281S01	RES,CF,473-J-1/ 16-CP
	R226	06E35281S01	RES,CF,473-J-1/ 16-CP
	R227	06E35257S01	RES,CF,101-J-1/ 16-CP
	R228	06E35257S01	RES,CF,101-J-1/ 16-CP
	R230	06E35275S01	RES,CF,103-J-1/ 16-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R233	06E35257S01	RES,CF,101-J-1/ 16-CP
	R235	06E35372S01	RES,CF,221-J-1/ 16-CP
	R236	06E35372S01	RES,CF,221-J-1/ 16-CP
	R237	06E35372S01	RES,CF,221-J-1/ 16-CP
	R238	06E35372S01	RES,CF,221-J-1/ 16-CP
	R245	06E35347S01	RES,CF,103-J-1/ 10-CP
	R251	06E35372S01	RES,CF,221-J-1/ 16-CP
	R252	06E35372S01	RES,CF,221-J-1/ 16-CP
	R253	06E35372S01	RES,CF,221-J-1/ 16-CP
	R254	06E35372S01	RES,CF,221-J-1/ 16-CP
	R255	06E35281S01	RES,CF,473-J-1/ 16-CP
	R256	06E35281S01	RES,CF,473-J-1/ 16-CP
	R257	06E35257S01	RES,CF,101-J-1/ 16-CP
	R258	06E35257S01	RES,CF,101-J-1/ 16-CP
	R261	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R262	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R263	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R264	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R265	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R266	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R267	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R268	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R271	06E35238S01	RES,CF,223-J-1/ 16-CP
	R301	06E35275S01	RES,CF,103-J-1/ 16-CP
	R302	06E35357S01	RES,CF 82R-J-1/ 4-CP
	R303	06E35233S01	RES,CF,102-J-1/ 10-CP
	R304	06E35233S01	RES,CF,102-J-1/ 10-CP
	R308	06E35393S01	RES,CF,104-J-1/ 16-CP
	R309	06E35393S01	RES,CF,104-J-1/ 16-CP
	R310	06E35386S01	RES,CF,332-J-1/ 16-CP
	R311	06E35379S01	RES,CF,102-J-1/ 16-CP
	R312	06E35238S01	RES,CF,223-J-1/ 16-CP
	R313	06E35238S01	RES,CF,223-J-1/ 16-CP
	R314	06E35385S01	RES,CF,222-J-1/ 16-CP
	R315	06E35275S01	RES,CF,103-J-1/ 16-CP
	R316	06E35358S01	RES,CF 101-J-1/ 4-CP
	R317	06E35355S01	RES,CF 36R-J-1/ 4-CP
	R318	06E35257S01	RES,CF,101-J-1/ 16-CP
	R319	06E35356S01	RES,CF 39R-J-1/ 4-CP
	R320	06E35233S01	RES,CF,102-J-1/ 10-CP
	R321	06E35257S01	RES,CF,101-J-1/ 16-CP
	R323	06E35357S01	RES,CF 82R-J-1/ 4-CP
	R324	06E35233S01	RES,CF,102-J-1/ 10-CP
	R327	06E35379S01	RES,CF,102-J-1/ 16-CP
	R501	06E35393S01	RES,CF,104-J-1/ 16-CP
	R503	06E35238S01	RES,CF,223-J-1/ 16-CP
	R505	06E35238S01	RES,CF,223-J-1/ 16-CP
	R507	06E35379S01	RES,CF,102-J-1/ 16-CP
	R508	06E35393S01	RES,CF,104-J-1/ 16-CP
	R509	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R510	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R514	06E35281S01	RES,CF,473-J-1/ 16-CP

	R515	06E35281S01	RES,CF,473-J-1/ 16-CP
	R516	06E35379S01	RES,CF,102-J-1/ 16-CP
	R517	06E35281S01	RES,CF,473-J-1/ 16-CP
	R518	06E35238S01	RES,CF,223-J-1/ 16-CP
	R519	06E35379S01	RES,CF,102-J-1/ 16-CP
	R520	06E35379S01	RES,CF,102-J-1/ 16-CP
	R521	06E35292S01	RES,CF,103-F-1/ 16-CP
	R522	06E35292S01	RES,CF,103-F-1/ 16-CP
	R523	06E35292S01	RES,CF,103-F-1/ 16-CP
	R524	06E35281S01	RES,CF,473-J-1/ 16-CP
	R525	06E35395S01	RES,CF,474-J-1/ 16-CP
	R527	06E35378S01	RES,CF,821-J-1/ 16-CP
	R528	06E35378S01	RES,CF,821-J-1/ 16-CP
	R529	06E35257S01	RES,CF,101-J-1/ 16-CP
	R530	06E35281S01	RES,CF,473-J-1/ 16-CP
	R531	06E35275S01	RES,CF,103-J-1/ 16-CP
	R532	06E35275S01	RES,CF,103-J-1/ 16-CP
	R533	06E35273S01	RES,CF,472-J-1/ 16-CP
	R534	06E35273S01	RES,CF,472-J-1/ 16-CP
	R535	06E35275S01	RES,CF,103-J-1/ 16-CP
	R536	06E35275S01	RES,CF,103-J-1/ 16-CP
	R537	06E35379S01	RES,CF,102-J-1/ 16-CP
	R538	06E35379S01	RES,CF,102-J-1/ 16-CP
	R539	06E35257S01	RES,CF,101-J-1/ 16-CP
	R540	06E35257S01	RES,CF,101-J-1/ 16-CP
	R541	06E35386S01	RES,CF,332-J-1/ 16-CP
	R542	06E35273S01	RES,CF,472-J-1/ 16-CP
	R543	06E35273S01	RES,CF,472-J-1/ 16-CP
	R544	06E35270S01	RES,CF,10R-J-1/ 4-CP
	R545	06E35359S01	RES,CF 161-J-1/ 4-CP
	R546	06E35359S01	RES,CF 161-J-1/ 4-CP
	R547	06E35359S01	RES,CF 161-J-1/ 4-CP
	R548	06E35359S01	RES,CF 161-J-1/ 4-CP
	R549	06E35382S01	RES,CF,152-J-1/ 16-CP
	R550	06E35385S01	RES,CF,222-J-1/ 16-CP
	R551	06E35385S01	RES,CF,222-J-1/ 16-CP
	R552	06E35382S01	RES,CF,152-J-1/ 16-CP
	R561	06E35233S01	RES,CF,102-J-1/ 10-CP
	R562	06E35233S01	RES,CF,102-J-1/ 10-CP
	R563	06E35233S01	RES,CF,102-J-1/ 10-CP
	R564	06E35233S01	RES,CF,102-J-1/ 10-CP
	R565	06E35233S01	RES,CF,102-J-1/ 10-CP
	R566	06E35233S01	RES,CF,102-J-1/ 10-CP
	R567	06E35348S01	RES,CHIP 1/ 10W-F-1K
	R568	06E35348S01	RES,CHIP 1/ 10W-F-1K
	R569	06E35347S01	RES,CF,103-J-1/ 10-CP
	R602	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R603	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R611	06E35355S01	RES,CF 36R-J-1/ 4-CP
	R612	06E35356S01	RES,CF 39R-J-1/ 4-CP
	R618	06E35375S01	RES,CF,471-J-1/ 16-CP
	R619	06E35375S01	RES,CF,471-J-1/ 16-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R620	06E35279S01	RES,CF,183-J-1/ 16-CP
	R621	06E35257S01	RES,CF,101-J-1/ 16-CP
	R622	06E35275S01	RES,CF,103-J-1/ 16-CP
	R623	06E35382S01	RES,CF,152-J-1/ 16-CP
	R624	06E35382S01	RES,CF,152-J-1/ 16-CP
	R625	06E35380S01	RES,CF,112-J-1/ 16-CP
	R626	06E35238S01	RES,CF,223-J-1/ 16-CP
	R627	06E35355S01	RES,CF 36R-J-1/ 4-CP
	R628	06E35356S01	RES,CF 39R-J-1/ 4-CP
	R629	06E35375S01	RES,CF,471-J-1/ 16-CP
	R630	06E35375S01	RES,CF,471-J-1/ 16-CP
	R631	06E35279S01	RES,CF,183-J-1/ 16-CP
	R632	06E35275S01	RES,CF,103-J-1/ 16-CP
	R633	06E35382S01	RES,CF,152-J-1/ 16-CP
	R634	06E35257S01	RES,CF,101-J-1/ 16-CP
	R635	06E35382S01	RES,CF,152-J-1/ 16-CP
	R636	06E35394S01	RES,CF,184-J-1/ 16-CP
	R637	06E35380S01	RES,CF,112-J-1/ 16-CP
	R638	06E35238S01	RES,CF,223-J-1/ 16-CP
	R639	06E35355S01	RES,CF 36R-J-1/ 4-CP
	R640	06E35356S01	RES,CF 39R-J-1/ 4-CP
	R641	06E35375S01	RES,CF,471-J-1/ 16-CP
	R642	06E35375S01	RES,CF,471-J-1/ 16-CP
	R643	06E35279S01	RES,CF,183-J-1/ 16-CP
	R644	06E35275S01	RES,CF,103-J-1/ 16-CP
	R645	06E35257S01	RES,CF,101-J-1/ 16-CP
	R646	06E35394S01	RES,CF,184-J-1/ 16-CP
	R647	06E35238S01	RES,CF,223-J-1/ 16-CP
	R648	06E35355S01	RES,CF 36R-J-1/ 4-CP
	R649	06E35382S01	RES,CF,152-J-1/ 16-CP
	R650	06E35382S01	RES,CF,152-J-1/ 16-CP
	R651	06E35380S01	RES,CF,112-J-1/ 16-CP
	R652	06E35356S01	RES,CF 39R-J-1/ 4-CP
	R653	06E35381S01	RES,CF,122-J-1/ 16-CP
	R654	06E35382S01	RES,CF,152-J-1/ 16-CP
	R655	06E35238S01	RES,CF,223-J-1/ 16-CP
	R656	06E35257S01	RES,CF,101-J-1/ 16-CP
	R657	06E35280S01	RES,CF,393-J-1/ 16-CP
	R659	06E35379S01	RES,CF,102-J-1/ 16-CP
	R660	06E35384S01	RES,CF,202-J-1/ 16-CP
	R661	06E35383S01	RES,CF,182-J-1/ 16-CP
	R662	06E35394S01	RES,CF,184-J-1/ 16-CP
	R701	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R702	06E35273S01	RES,CF,472-J-1/ 16-CP
	R703	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R704	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R705	06E35256S01	RES,CF,47R-J-1/ 16-CP
	R706	06E35283S01	RES,CF,105-J-1/ 16-CP
	R707	06E35401S01	RES,CF,123-F-1/ 16-CP
	R708	06E35514S01	RES,CF,106-J-1/ 16-CP
	R709	06E35383S01	RES,CF,182-J-1/ 16-CP
	R710	06E35274S01	RES,CF,562-J-1/ 16-CP

	R711	06E35260S01	RES,CF,822-J-1/ 16-CP
	R712	06E35379S01	RES,CF,102-J-1/ 16-CP
	R713	06E35379S01	RES,CF,102-J-1/ 16-CP
	R714	06E35397S01	RES,CF,471-F-1/ 16-CP
	R715	06E35398S01	RES,CF,511-F-1/ 16-CP
	R716	06E35381S01	RES,CF,122-J-1/ 16-CP
	R717	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R718	06E35273S01	RES,CF,472-J-1/ 16-CP
	R719	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R720	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R721	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R722	06E35276S01	RES,CF,123-J-1/ 16-CP
	R731	06E35371S01	RES,CF,75R-J-1/ 16-CP
	R732	06E35371S01	RES,CF,75R-J-1/ 16-CP
	R733	06E35371S01	RES,CF,75R-J-1/ 16-CP
	R738	06E35379S01	RES,CF,102-J-1/ 16-CP
	R739	06E35445S01	RES,CF,914-J-1/ 16-CP
	R740	06E35374S01	RES,CF,361-J-1/ 16-CP
	R741	06E35445S01	RES,CF,914-J-1/ 16-CP
	R742	06E35273S01	RES,CF,472-J-1/ 16-CP
	R743	06E35381S01	RES,CF,122-J-1/ 16-CP
	R744	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R745	06E35238S01	RES,CF,223-J-1/ 16-CP
	R746	06E35256S01	RES,CF,47R-J-1/ 16-CP
	R751	06E35257S01	RES,CF,101-J-1/ 16-CP
	R752	06E35257S01	RES,CF,101-J-1/ 16-CP
	R753	06E35257S01	RES,CF,101-J-1/ 16-CP
	R754	06E35257S01	RES,CF,101-J-1/ 16-CP
	R757	06E35257S01	RES,CF,101-J-1/ 16-CP
	R758	06E35273S01	RES,CF,472-J-1/ 16-CP
	R759	06E35241S01	RES,CF,332-F-1/ 16-CP
	R760	06E35281S01	RES,CF,473-J-1/ 16-CP
	R761	06E35283S01	RES,CF,105-J-1/ 16-CP
	R762	06E35446S01	RES,CF,112-F-1/ 16-CP
	R763	06E35400S01	RES,CF,512-F-1/ 16-CP
	R764	06E35399S01	RES,CF,102-F-1/ 16-CP
	R765	06E35271S01	RES,CF,68R-J-1/ 16-CP
	R766	06E35271S01	RES,CF,68R-J-1/ 16-CP
	R767	06E35271S01	RES,CF,68R-J-1/ 16-CP
	R771	06E35379S01	RES,CF,102-J-1/ 16-CP
	R772	06E35379S01	RES,CF,102-J-1/ 16-CP
	R773	06E35379S01	RES,CF,102-J-1/ 16-CP
	R774	06E35379S01	RES,CF,102-J-1/ 16-CP
	R775	06E35371S01	RES,CF,75R-J-1/ 16-CP
	R776	06E35379S01	RES,CF,102-J-1/ 16-CP
	R777	06E35379S01	RES,CF,102-J-1/ 16-CP
	R778	06E35386S01	RES,CF,332-J-1/ 16-CP
	R799	06E35365S01	RES,CF 222-J-1/ 4-CP
	R800	06E35396S01	RES,CF,1R0-J-1/ 16-CP
	R801	06E35393S01	RES,CF,104-J-1/ 16-CP
	R802	06E35390S01	RES,CF,563-J-1/ 16-CP
	R803	06E35379S01	RES,CF,102-J-1/ 16-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R804	06E35370S01	RES,CF 394-F-1/ 4-CP
	R805	06E35379S01	RES,CF,102-J-1/ 16-CP
	R806	06E35369S01	RES,CF 124-F-1/ 4-CP
	R807	06E35365S01	RES,CF 222-J-1/ 4-CP
	R808	06E35236S01	RES,CF 152-J-1/ 4-CP
	R809	06E35354S01	RES,CF 33R-J-1/ 4-CP
	R810	06E35443S01	RES,CF 243-J-1/ 4-CP
	R812	06E35362S01	RES,CF 471-J-1/ 4-CP
	R814	06E35239S01	RES,CF,182-F-1/ 16-CP
	R815	06E35289S01	RES,CF,562-F-1/ 16-CP
	R816	06E35360S01	RES,CF 301-J-1/ 4-CP
	R818	06E35442S01	RES,CF 621-J-1/ 4-CP
	R819	06E35405S01	RES,CF,124-F-1/ 16-CP
	R820	06E35245S01	RES,CF,393-F-1/ 16-CP
	R821	06E35257S01	RES,CF,101-J-1/ 16-CP
	R822	06E35257S01	RES,CF,101-J-1/ 16-CP
	R823	06E35257S01	RES,CF,101-J-1/ 16-CP
	R824	06E35257S01	RES,CF,101-J-1/ 16-CP
	R825	06E35257S01	RES,CF,101-J-1/ 16-CP
	R826	06E35257S01	RES,CF,101-J-1/ 16-CP
	R827	06E35257S01	RES,CF,101-J-1/ 16-CP
	R829	06E35365S01	RES,CF 222-J-1/ 4-CP
	R830	06E35447S01	RES,CF,244-F-1/ 16-CP
	R832	06E35238S01	RES,CF,223-J-1/ 16-CP
	R833	06E35349S01	RES,CF,1R0-J-1/ 4-CP
	R834	06E35349S01	RES,CF,1R0-J-1/ 4-CP
	R835	06E35275S01	RES,CF,103-J-1/ 16-CP
	R836	06E35366S01	RES,CF 472-J-1/ 4-CP
	R837	06E35366S01	RES,CF 472-J-1/ 4-CP
	R838	06E35368S01	RES,CF 103-J-1/ 4-CP
	R839	06E35281S01	RES,CF,473-J-1/ 16-CP
	R840	06E35440S01	RES,CF,6R8-J-1/ 4-CP
	R841	06E35440S01	RES,CF,6R8-J-1/ 4-CP
	R842	06E35275S01	RES,CF,103-J-1/ 16-CP
	R843	06E35443S01	RES,CF 243-J-1/ 4-CP
	R844	06E35440S01	RES,CF,6R8-J-1/ 4-CP
	R845	06E35440S01	RES,CF,6R8-J-1/ 4-CP
	R846	06E35388S01	RES,CF,243-J-1/ 16-CP
	R847	06E35388S01	RES,CF,243-J-1/ 16-CP
	R848	06E35365S01	RES,CF 222-J-1/ 4-CP
	R849	06E35236S01	RES,CF 152-J-1/ 4-CP
	R850	06E35236S01	RES,CF 152-J-1/ 4-CP
	R851	06E35236S01	RES,CF 152-J-1/ 4-CP
	R852	06E35236S01	RES,CF 152-J-1/ 4-CP
	R853	06E35368S01	RES,CF 103-J-1/ 4-CP
	R854	06E35273S01	RES,CF,472-J-1/ 16-CP
	R855	06E35275S01	RES,CF,103-J-1/ 16-CP
	R857	06E35388S01	RES,CF,243-J-1/ 16-CP
	R858	06E35441S01	RES,CF 271-J-1/ 4-CP
	R859	06E35441S01	RES,CF 271-J-1/ 4-CP
	R860	06E35281S01	RES,CF,473-J-1/ 16-CP
	R862	06E35275S01	RES,CF,103-J-1/ 16-CP

	R863	06E35235S01	RES,CF 102-J-1/ 4-CP
	R864	06E35368S01	RES,CF 103-J-1/ 4-CP
	R865	06E35281S01	RES,CF,473-J-1/ 16-CP
	R866	06E35281S01	RES,CF,473-J-1/ 16-CP
	R867	06E35368S01	RES,CF 103-J-1/ 4-CP
	R868	06E35388S01	RES,CF,243-J-1/ 16-CP
	R869	06E35367S01	RES,CF 562-J-1/ 4-CP
	R870	06E35383S01	RES,CF,182-J-1/ 16-CP
	R871	06E35349S01	RES,CF,1R0-J-1/ 4-CP
	R872	06E35349S01	RES,CF,1R0-J-1/ 4-CP
	R873	06E35238S01	RES,CF,223-J-1/ 16-CP
	R874	06E35361S01	RES,CF 331-J-1/ 4-CP
	R875	06E35405S01	RES,CF,124-F-1/ 16-CP
	R876	06E35245S01	RES,CF,393-F-1/ 16-CP
	R877	06E35364S01	RES,CF 911-J-1/ 4-CP
	R878	06E35365S01	RES,CF 222-J-1/ 4-CP
	R879	06E35365S01	RES,CF 222-J-1/ 4-CP
	R880	06E35364S01	RES,CF 911-J-1/ 4-CP
	R881	06E35391S01	RES,CF,623-J-1/ 16-CP
	R882	06E35385S01	RES,CF,222-J-1/ 16-CP
	R883	06E35298S01	RES,CF,224-F-1/ 16-CP
	R884	06E35365S01	RES,CF 222-J-1/ 4-CP
	R885	06E35388S01	RES,CF,243-J-1/ 16-CP
	R886	06E35365S01	RES,CF 222-J-1/ 4-CP
	R887	06E35365S01	RES,CF 222-J-1/ 4-CP
	R888	06E35402S01	RES,CF,223-F-1/ 16-CP
	R889	06E35298S01	RES,CF,224-F-1/ 16-CP
	R890	06E35362S01	RES,CF 471-J-1/ 4-CP
	R891	06E35362S01	RES,CF 471-J-1/ 4-CP
	R892	06E35241S01	RES,CF,332-F-1/ 16-CP
	R893	06E35389S01	RES,CF,333-J-1/ 16-CP
	R894	06E35379S01	RES,CF,102-J-1/ 16-CP
	R895	06E35403S01	RES,CF,273-F-1/ 16-CP
	R896	06E35297S01	RES,CF,683-F-1/ 16-CP
	R897	06E35276S01	RES,CF,123-J-1/ 16-CP
	R898	06E35270S01	RES,CF,10R-J-1/ 4-CP
	R899	06E35358S01	RES,CF 101-J-1/ 4-CP
	R900	06E35282S01	RES,CF,683-J-1/ 16-CP
	R901	06E35397S01	RES,CF,471-F-1/ 16-CP
	R902	06E35238S01	RES,CF,223-J-1/ 16-CP
	R903	06E35516S01	RES,CF,823-J-1/ 16-CP
	R905	06E35236S01	RES,CF 152-J-1/ 4-CP
	R906	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R907	06E35350S01	RES,CF,2R2-J-1/ 4-CP
	R908	06E35363S01	RES,CF 561-J-1/ 4-CP
	R909	06E35278S01	RES,CF,163-J-1/ 16-CP
	R910	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R911	06E35376S01	RES,CF,561-J-1/ 16-CP
	R912	06E35257S01	RES,CF,101-J-1/ 16-CP
	R913	06E35351S01	RES,CF,3R6-J-1/ 4-CP
	R914	06E35351S01	RES,CF,3R6-J-1/ 4-CP
	R915	06E35351S01	RES,CF,3R6-J-1/ 4-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R916	06E35387S01	RES,CF,153-J-1/ 16-CP
	R918	06E35351S01	RES,CF,3R6-J-1/ 4-CP
	R919	06E35351S01	RES,CF,3R6-J-1/ 4-CP
	R920	06E35351S01	RES,CF,3R6-J-1/ 4-CP
	R922	06E32214S01	RES,CF,182-F-1/ 16-CP
	R923	06E35292S01	RES,CF,103-F-1/ 16-CP
	R924	06E35379S01	RES,CF,102-J-1/ 16-CP
	R925	06E35297S01	RES,CF,683-F-1/ 16-CP
	R926	06E35191S01	RES,CF,473-F-1/ 16-CP
	R928	06E35292S01	RES,CF,103-F-1/ 16-CP
	R929	06E35297S01	RES,CF,683-F-1/ 16-CP
	R930	06E35375S01	RES,CF,471-J-1/ 16-CP
	R931	06E28786S01	RES,CF,331-J-1/ 16-CP
	R932	06E35396S01	RES,CF,1R0-J-1/ 16-CP
	R933	06E35396S01	RES,CF,1R0-J-1/ 16-CP
	R934	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R935	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R936	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R938	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R939	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R940	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R944	06E35239S01	RES,CF,182-F-1/ 16-CP
	R945	06E35289S01	RES,CF,562-F-1/ 16-CP
	R947	06E35405S01	RES,CF,124-F-1/ 16-CP
	R950	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R951	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R952	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R953	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R954	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R955	06E35352S01	RES,CF,6R2-J-1/ 4-CP
	R956	06E35406S01	RES,CF,154-F-1/ 16-CP
	R957	06E35407S01	RES,CF,364-F-1/ 16-CP
	R958	06E35444S01	RES,CF,334-J-1/ 16-CP
	R959	06E35354S01	RES,CF 33R-J-1/ 4-CP
	R960	06E35354S01	RES,CF 33R-J-1/ 4-CP
	R961	06E35353S01	RES,CF 30R-J-1/ 4-CP
	R962	06E35353S01	RES,CF 30R-J-1/ 4-CP
	R965	06E35396S01	RES,CF,1R0-J-1/ 16-CP
	R967	06E35396S01	RES,CF,1R0-J-1/ 16-CP
	R968	06E35377S01	RES,CF,681-J-1/ 16-CP
	R972	06E35447S01	RES,CF,244-F-1/ 16-CP
	R973	06E35404S01	RES,CF,333-F-1/ 16-CP
	RA101	06E32294S01	RES ARY MNR102J 4-CP
	RA501	06E32294S01	RES ARY MNR102J 4-CP
	RA502	06E32294S01	RES ARY MNR102J 4-CP
	RA503	06E32294S01	RES ARY MNR102J 4-CP
	RA504	06E32294S01	RES ARY MNR102J 4-CP
	RA505	06E32294S01	RES ARY MNR102J 4-CP
	RA506	06E32294S01	RES ARY MNR102J 4-CP
	RA509	06E32294S01	RES ARY MNR102J 4-CP
	RA510	06E32294S01	RES ARY MNR102J 4-CP
	RA511	06E32294S01	RES ARY MNR102J 4-CP

	RA512	06E32294S01	RES ARY MNR102J 4-CP
	RA513	06E32294S01	RES ARY MNR102J 4-CP
	RA514	06E32294S01	RES ARY MNR102J 4-CP
	RA515	06E32294S01	RES ARY MNR102J 4-CP
	RA516	06E32294S01	RES ARY MNR102J 4-CP
	RA517	06E32294S01	RES ARY MNR102J 4-CP
	RA518	06E32294S01	RES ARY MNR102J 4-CP
	RA519	06E35268S01	RES, MNR14-101-J-1/ 16-CP
	RA520	06E32294S01	RES ARY MNR102J 4-CP
	RA521	06E32294S01	RES ARY MNR102J 4-CP
	RA522	06E32294S01	RES ARY MNR102J 4-CP
	RA523	06E32294S01	RES ARY MNR102J 4-CP
	RA524	06E32294S01	RES ARY MNR102J 4-CP
	RA525	06E32294S01	RES ARY MNR102J 4-CP
	RA526	06E35346S01	RES,ARY MNR473J 4-CP
	RA527	06E35346S01	RES,ARY MNR473J 4-CP
	RA528	06E35439S01	RES,ARY MNR223J 4-CP
	RA541	06E35438S01	RES MNR14-472-J-1/ 16-CP
	VR701	18T55283W13	VAR,RH03APA 103-CP
	VR702	18E35450S01	VAR,RH03ADC 223-X-CP
	VR703	18E35448S01	VAR,RH03ADC 472-X-CP
	VR704	18E35300S01	VAR,RH03ADC 222-X-CP
	VR705	18E35450S01	VAR,RH03ADC 223-X-CP
	VR706	18E35450S01	VAR,RH03ADC 223-X-CP
	VR707	18E35450S01	VAR,RH03ADC 223-X-CP
	VR708	18E35450S01	VAR,RH03ADC 223-X-CP
	VR709	18E35449S01	VAR,RH03ADC 103-X-CP
	VR710	18E35450S01	VAR,RH03ADC 223-X-CP
	VR801	18E35300S01	VAR,RH03ADC 222-X-CP
	VR802	18E35448S01	VAR,RH03ADC 472-X-CP
	VR803	18E35451S01	VAR,RH03ADC 473-X-CP

=======Connectors			
	CB200	09E35341S01	CONN,YW200-08A00
	CB201	09E35338S01	WTB,53253-0310
	CB202	09E35340S01	CONN,YW200-03A00
	CB203	09E35339S01	WTB,53254-0210
	CB204	09E35342S01	CONN,YMW025-02R
	CB205	09E35338S01	WTB,53253-0310
	CB302	09E35478S01	CONN,12505WS-08A00
	CB303	09E35477S01	CONN,12505WS-07A00
	CB802	09T65097Y40	FFC,40FLZT-SM1-TF-EQ
	CB803	09T65097Y40	FFC,40FLZT-SM1-TF-EQ
	CH101	09E35343S01	PIN,9230B-1-15Z128-T
	CH102	09T15153Y40	FFC,FH12-40S-ER

*********LCD P.W.Board**

=======IC's			
	IC461	51E35315S01	IC,TC7W53FK-TE85L-CP
	IC462	51E35317S01	IC,TC7W14FK-TE85L-CP
	IC7001	51T45577Y01	LZ9GH29-QT
	IC7002	51E35314S01	IC,NJM2107F

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	IC7003	51E35318S01	IC,NJM555V-TE2-CP
	IC7005	51E35316S01	IC,TC7W34FK-TE85L-CP

=======Transistors			
	Q7001	48E35322S01	TR,2SC2411K-PQR-146
	Q7002	48E35264S01	TR,DTC124EE-TL-CP
	Q7003	48E35264S01	TR,DTC124EE-TL-CP
	Q7004	48E35264S01	TR,DTC124EE-TL-CP
	Q7005	48E35320S01	TR,DTC143EE-TL-CP
	Q7006	48E35320S01	TR,DTC143EE-TL-CP
	Q7007	48E35321S01	TR,FMY1A-T148-CP
	Q7008	48T35586W01	TR,2SC3518-Z-NE5
	Q7009	48T35586W01	TR,2SC3518-Z-NE5
	Q7010	48E35323S01	TR,DTD113EK-96-CP
	Q7011	48E35320S01	TR,DTC143EE-TL-CP
	Q7012	48E35319S01	TR,DTA144TE-TL-CP
	Q7015	48E35264S01	TR,DTC124EE-TL-CP

=======Diodes			
	D7001	48T25247Y01	DIO,SHT MA716-TX-CP
	D7002	48T15540Y01	DIO,MA2S111-TX-CP
	D7003	48T25248Y01	DIO,VAR MA335-TX-CP
	ZD7001	48T15541Y49	DIO,ZEN MAZS0510M-CP

=======Coils			
	L7001	24T25164Y17	IND,FSLM2520 2R2J-CP
	L7002	24T25164Y25	COIL,IND,FSLM2520 10RJ-CP
	L7003	24T25164Y27	IND,FSLM2520 15RJ-CP
	L7004	24T25164Y18	IND,FSLM2520 2R7J-CP
	L7005	24T25578Y11	IND,D124C 68RM-EA

=======Thermistors			
	TH7001	48E35324S01	TMT,ERTJ1VR223G-CP
	TH7002	48E35324S01	TMT,ERTJ1VR223G-CP

=======Transformers			
	T7001	25T25447Y04	TRANS,BLC216-1412-T
	T7002	25T25447Y04	TRANS,BLC216-1412-T

=======Capacitors			
	C461	08E35312S01	CAP,CER 104-K-B1E-CP
	C7001	08E35312S01	CAP,CER 104-K-B1E-CP
	C7002	08E35312S01	CAP,CER 104-K-B1E-CP
	C7003	08E35312S01	CAP,CER 104-K-B1E-CP
	C7004	08E35312S01	CAP,CER 104-K-B1E-CP
	C7005	08E35303S01	CAP,CER 82R-J-CG1H-CP
	C7006	08S35374W12	CAP,CER 106K-B0J-CP
	C7007	08E35313S01	CAP,CER 224-K-B1A-CP
	C7009	08T81833F13	CAP,CER 106K-B1C-CP
	C7011	08E35312S01	CAP,CER 104-K-B1E-CP
	C7012	08E35312S01	CAP,CER 104-K-B1E-CP
	C7013	08E35302S01	CAP,CER 33R-J-CG1H-CP
	C7014	08E35302S01	CAP,CER 33R-J-CG1H-CP
	C7015	08E35309S01	CAP,CER 102-J-CG1H-CP
	C7016	08E35307S01	CAP,CER 471-J-CG1H-CP
	C7017	08T81833F13	CAP,CER 106K-B1C-CP
	C7018	08T81833F13	CAP,CER 106K-B1C-CP
	C7019	08E35312S01	CAP,CER 104-K-B1E-CP
	C7021	08E35262S01	CAP,CER 223-K-B1H-CP
	C7022	08E35312S01	CAP,CER 104-K-B1E-CP
	C7023	08E35305S01	CAP,CER 221-J-CG1H-CP
	C7025	08E35312S01	CAP,CER 104-K-B1E-CP
	C7026	08E35309S01	CAP,CER 102-J-CG1H-CP
	C7027	08E35304S01	CAP,CER 101-J-CG1H-CP
	C7028	08E35312S01	CAP,CER 104-K-B1E-CP
	C7029	08E35312S01	CAP,CER 104-K-B1E-CP
	C7030	08E35308S01	CAP,CER 561-J-CG1H-CP
	C7031	08E35306S01	CAP,CER 331-J-CG1H-CP
	C7032	08T81833F13	CAP,CER 106K-B1C-CP
	C7033	08E35262S01	CAP,CER 223-K-B1H-CP
	C7037	08E35302S01	CAP,CER 33R-J-CG1H-CP
	C7040	08S35350Y04	CAP,CER 105K-B1C-CP
	C7041	08S35374W12	CAP,CER 106K-B0J-CP
	C7042	08S35374W12	CAP,CER 106K-B0J-CP
	C7043	08E35309S01	CAP,CER 102-J-CG1H-CP
	C7044	08S35374W12	CAP,CER 106K-B0J-CP
	C7046	08S35374W12	CAP,CER 106K-B0J-CP
	C7048	08E35310S01	CAP,CER 103-K-B1H-CP
	C7049	08E35309S01	CAP,CER 102-J-CG1H-CP
	C7050	08S60102F48	CAP CER 105K-B1E-CP
	C7051	08E35262S01	CAP,CER 223-K-B1H-CP
	C7052	08E35310S01	CAP,CER 103-K-B1H-CP
	C7053	08T55401W47	CAP,TF 154G-1H-E2
	C7054	08T55401W45	CAP,TF 104G-1H-E2
	C7055	08E35262S01	CAP,CER 223-K-B1H-CP
	C7056	08T81833F13	CAP,CER 106K-B1C-CP
	C7057	08E35312S01	CAP,CER 104-K-B1E-CP
	C7058	08E35311S01	CAP,CER 333-K-B1E-CP
	C7059	08E35311S01	CAP,CER 333-K-B1E-CP
	C7060	08E35309S01	CAP,CER 102-J-CG1H-CP
	C7064	08E35262S01	CAP,CER 223-K-B1H-CP
	C7065	08T25628Y06	CAP,TF 684M-1C-CP
	C7075	08S35349Y16	CAP,CER 105K-B1A-CP
	E7011	23T25615Y14	CAP,ZT 101-1A-E6
	E7012	23T25615Y14	CAP,ZT 101-1A-E6

=======Resistors			
	R7001	06E35298S01	RES,CF,224-F-1/ 16-CP
	R7002	06E35272S01	RES,CF,391-J-1/ 16-CP
	R7003	06E35299S01	RES,CF,564-F-1/ 16-CP
	R7004	06E35299S01	RES,CF,564-F-1/ 16-CP
	R7005	06E35260S01	RES,CF,822-J-1/ 16-CP
	R7006	06E35274S01	RES,CF,562-J-1/ 16-CP
	R7008	06E35283S01	RES,CF,105-J-1/ 16-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R7009	06E35287S01	RES,CF,362-F-1/ 16-CP
	R7010	06E35297S01	RES,CF,683-F-1/ 16-CP
	R7011	06E35289S01	RES,CF,562-F-1/ 16-CP
	R7012	06E35286S01	RES,CF,272-F-1/ 16-CP
	R7013	06E35257S01	RES,CF,101-J-1/ 16-CP
	R7016	06E35275S01	RES,CF,103-J-1/ 16-CP
	R7018	06E35295S01	RES,CF,473-F-1/ 16-CP
	R7019	06E35293S01	RES,CF,243-F-1/ 16-CP
	R7020	06E35282S01	RES,CF,683-J-1/ 16-CP
	R7021	06E35279S01	RES,CF,183-J-1/ 16-CP
	R7022	06E35283S01	RES,CF,105-J-1/ 16-CP
	R7023	06E35241S01	RES,CF,332-F-1/ 16-CP
	R7024	06E35285S01	RES,CF,331-F-1/ 16-CP
	R7026	06E35275S01	RES,CF,103-J-1/ 16-CP
	R7027	06E35257S01	RES,CF,101-J-1/ 16-CP
	R7028	06E35271S01	RES,CF,68R-J-1/ 16-CP
	R7029	06E35257S01	RES,CF,101-J-1/ 16-CP
	R7030	06E35277S01	RES,CF,133-J-1/ 16-CP
	R7031	06E35244S01	RES,CF,153-F-1/ 16-CP
	R7032	06E35288S01	RES,CF,472-F-1/ 16-CP
	R7033	06E35294S01	RES,CF,303-F-1/ 16-CP
	R7034	06E35292S01	RES,CF,103-F-1/ 16-CP
	R7035	06E35292S01	RES,CF,103-F-1/ 16-CP
	R7036	06E35294S01	RES,CF,303-F-1/ 16-CP
	R7037	06E35290S01	RES,CF,622-F-1/ 16-CP
	R7038	06E35270S01	RES,CF,10R-J-1/ 4-CP
	R7039	06E35296S01	RES,CF,623-F-1/ 16-CP
	R7040	06E35273S01	RES,CF,472-J-1/ 16-CP
	R7041	06E35258S01	RES,CF,272-J-1/ 16-CP
	R7042	06E35291S01	RES,CF,682-F-1/ 16-CP
	R7043	06E35260S01	RES,CF,822-J-1/ 16-CP
	R7044	06E28547S01	RES,CF, 821-J-1/ 4-CP
	R7045	06E28547S01	RES,CF, 821-J-1/ 4-CP
	R7046	06E35290S01	RES,CF,622-F-1/ 16-CP
	R7047	06E35276S01	RES,CF,123-J-1/ 16-CP
	R7048	06E35280S01	RES,CF,393-J-1/ 16-CP
	R7055	06E35257S01	RES,CF,101-J-1/ 16-CP
	R7056	06E35257S01	RES,CF,101-J-1/ 16-CP
	R7067	06E35275S01	RES,CF,103-J-1/ 16-CP
	R7068	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R7070	06E35278S01	RES,CF,163-J-1/ 16-CP
	R7071	06E35281S01	RES,CF,473-J-1/ 16-CP
	RA7001	06E35268S01	RES, MNR14-101-J-1/ 16-CP
	RA7002	06E35268S01	RES, MNR14-101-J-1/ 16-CP
	RA7003	06E35269S01	RES,ARY MNR561J 4-CP
	RA7004	06E35268S01	RES, MNR14-101-J-1/ 16-CP
	VR7001	18E35301S01	VAR,RH03ADC 104-X-CP
	VR7002	18E35300S01	VAR,RH03ADC 222-X-CP
=======Connectors			
	CB7001	09E35326S01	FFC,IMSA9632S-32Y-901
	CB7002	09E35325S01	FFC,IMSA9632S-10Y-900
	CB7003	09E35328S01	CONN,20015WR-05A00
	CB7004	09E35327S01	FFC,IMSA9632S-50Y-901
********TUNER P.W.Board			
=======IC's			
	IC1001	51T65382Y01	TDA7518-QT
	IC1002	51E23842S01	IC,NJM 2904M-TE3-SE
=======FET's			
	Q1003	48E35496S01	FET,3SK195-Y-R-CP
	Q1004	48T15606Y01	FET,FC18-TL-CP
=======Diodes			
	D1002	48T65157W01	DIO,VAR KV1410-XX
	D1003	48T65157W01	DIO,VAR KV1410-XX
	D1004	48T65157W01	DIO,VAR KV1410-XX
	D1005	48T68806F01	DIO,1SV 172/ L-CP
	D1013	48T68806F01	DIO,1SV 172/ L-CP
=======Filters			
	CF1001	91E35480S01	CERFIL,SFELA10M7HKGD01-B0
	CF1002	91E35480S01	CERFIL,SFELA10M7HKGD01-B0
	CF1003	91E35480S01	CERFIL,SFELA10M7HKGD01-B0
	CF1004	91T15651Y02	CERFIL,CFWLA450K-DB
#1	L1005	91E35436S01	EMI,BK1608HM102-CP
	L1017	91E35436S01	EMI,BK1608HM102-CP
	L1018	91E35436S01	EMI,BK1608HM102-CP
	Z1001	91E35436S01	EMI,BK1608HM102-CP
	Z1002	91E35436S01	EMI,BK1608HM102-CP
	Z1013	91E35436S01	EMI,BK1608HM102-CP
	Z1014	91E35436S01	EMI,BK1608HM102-CP
=======Coils			
	L1006	24T65176W37	IND,NL453232 102J-E2
	L1007	24T25164Y35	IND,FSLM2520 68RJ-CP
	L1010	24T65176W37	IND,NL453232 102J-E2
	L1019	24T25164Y11	IND,FSLM2520 R68J-CP
	L1021	24T25164Y12	IND,FSLM2520 R82J-CP
	VT1001	24T45428Y04	COIL,ANT1 FM 5KR-DB
	VT1002	24T45429Y04	COIL,RF FM 5KR-DB
	VT1003	24T45427Y03	COIL,OSC F/ A 5KR-DB
	VT1004	24T45563Y01	COIL,IFT1 F/ A 5PG-DB
	VT1005	24T45563Y02	COIL,IFT2 AM 5PG-DB
	Z1015	24T25164Y17	IND,FSLM2520 2R2J-CP
=======Crystal			
	XL1001	91E35497S01	XTL,CMR309T 10.2M-E9
=======Capacitors			
	C1001	08E22085S01	CAP,CER.21-X7R-223-K-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	C1002	08E23581S01	CAP,CER.21-CG-330-J-CP
	C1003	08E35309S01	CAP,CER 102-J-CG1H-CP
	C1004	08E35302S01	CAP,CER 33R-J-CG1H-CP
	C1005	08E35302S01	CAP,CER 33R-J-CG1H-CP
	C1006	08E35494S01	CAP,CER 2R0-C-CG1H-CP
	C1007	08E35495S01	CAP,CER 5R0-C-CG1H-CP
	C1009	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C1010	08E35310S01	CAP,CER 103-K-B1H-CP
	C1011	08E35312S01	CAP,CER 104-K-B1E-CP
	C1012	08E35491S01	CAP,CER 472-K-B1H-CP
	C1013	08E35310S01	CAP,CER 103-K-B1H-CP
	C1014	08E35309S01	CAP,CER 102-J-CG1H-CP
	C1015	08E35488S01	CAP,CER 68R-J-CG1H-CP
	C1016	08E35304S01	CAP,CER 101-J-CG1H-CP
	C1018	08E35312S01	CAP,CER 104-K-B1E-CP
	C1019	08E35312S01	CAP,CER 104-K-B1E-CP
	C1020	08E35312S01	CAP,CER 104-K-B1E-CP
	C1021	08E35262S01	CAP,CER 223-K-B1H-CP
	C1022	08E35490S01	CAP,CER 392-K-B1H-CP
	C1023	08E35489S01	CAP,CER 121-J-CG1H-CP
	C1024	08E35310S01	CAP,CER 103-K-B1H-CP
	C1025	08E35310S01	CAP,CER 103-K-B1H-CP
	C1026	08S35350Y04	CAP,CER 105K-B1C-CP
	C1027	08E35312S01	CAP,CER 104-K-B1E-CP
	C1028	08E35312S01	CAP,CER 104-K-B1E-CP
	C1029	08S35350Y04	CAP,CER 105K-B1C-CP
	C1030	08S35350Y04	CAP,CER 105K-B1C-CP
	C1031	08E35262S01	CAP,CER 223-K-B1H-CP
	C1032	08E35488S01	CAP,CER 68R-J-CG1H-CP
	C1033	08E35310S01	CAP,CER 103-K-B1H-CP
	C1034	08E35312S01	CAP,CER 104-K-B1E-CP
	C1035	08E35487S01	CAP,CER 1R0-C-CG1H-CP
	C1036	08E35409S01	CAP,CER 22R-J-CG1H-CP
	C1037	08E35461S01	CAP,CER 15R-J-CG1H-CP
	C1038	08E35312S01	CAP,CER 104-K-B1E-CP
	C1039	08E35312S01	CAP,CER 104-K-B1E-CP
	C1040	08E35310S01	CAP,CER 103-K-B1H-CP
	C1041	08E35413S01	CAP,CER 222-K-B1H-CP
	C1042	08E35309S01	CAP,CER 102-J-CG1H-CP
	C1043	08E35310S01	CAP,CER 103-K-B1H-CP
	C1044	08E35262S01	CAP,CER 223-K-B1H-CP
	C1045	08E35262S01	CAP,CER 223-K-B1H-CP
	C1046	08E35262S01	CAP,CER 223-K-B1H-CP
	C1047	08E35487S01	CAP,CER 1R0-C-CG1H-CP
	C1048	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C1049	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C1050	08E35310S01	CAP,CER 103-K-B1H-CP
	C1051	08E35310S01	CAP,CER 103-K-B1H-CP
	C1052	08E35408S01	CAP,CER 10R-D-CG1H-CP
	C1053	08E35310S01	CAP,CER 103-K-B1H-CP
	C1054	08E35310S01	CAP,CER 103-K-B1H-CP
	C1055	08E35304S01	CAP,CER 101-J-CG1H-CP

	C1056	08E35262S01	CAP,CER 223-K-B1H-CP
	C1057	08E35310S01	CAP,CER 103-K-B1H-CP
	C1058	08S35350Y04	CAP,CER 105K-B1C-CP
	C1060	08E35486S01	CAP,CER,21-B-474-K-CP
	C1061	08E35486S01	CAP,CER,21-B-474-K-CP
	C1201	08E35492S01	CAP,CER 153-K-B1H-CP
	C1205	08E35312S01	CAP,CER 104-K-B1E-CP
	C1206	08E35309S01	CAP,CER 102-J-CG1H-CP
	C1211	08E35409S01	CAP,CER 22R-J-CG1H-CP
	C1214	08E35310S01	CAP,CER 103-K-B1H-CP
	C1217	08E35310S01	CAP,CER 103-K-B1H-CP
	C1218	08E35310S01	CAP,CER 103-K-B1H-CP
	C1219	08E35312S01	CAP,CER 104-K-B1E-CP
	C1220	08E35309S01	CAP,CER 102-J-CG1H-CP
	C1221	08E35312S01	CAP,CER 104-K-B1E-CP
	C1222	08E35312S01	CAP,CER 104-K-B1E-CP
	C1223	08E35312S01	CAP,CER 104-K-B1E-CP
	C1224	08E35312S01	CAP,CER 104-K-B1E-CP
	C1225	08E35312S01	CAP,CER 104-K-B1E-CP
	C1226	08S35349Y13	CAP,CER 684K-B1A-CF
	C1227	08S35374W11	CAP,CER 475K-B0J-CP
	C1228	08E35312S01	CAP,CER 104-K-B1E-CP
	E1006	23E35493S01	CAP,CB 100-1C(4)
	E1007	23E35493S01	CAP,CB 100-1C(4)
	E1008	23E35493S01	CAP,CB 100-1C(4)
	E1011	23E35493S01	CAP,CB 100-1C(4)
	E1012	23E35452S01	CAP,CB 220-1C(4)
	E1014	23E35493S01	CAP,CB 100-1C(4)
	E1015	23E35493S01	CAP,CB 100-1C(4)
	E1201	23E35452S01	CAP,CB 220-1C(4)
	E1204	23E35493S01	CAP,CB 100-1C(4)
	E1205	23E35493S01	CAP,CB 100-1C(4)

=======Resistors			
	J001	06E35284S01	RES,CF,0R0-J-1/ 16-CP
$1	L1005	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R1001	06E35375S01	RES,CF,471-J-1/ 16-CP
	R1002	06E35375S01	RES,CF,471-J-1/ 16-CP
	R1003	06E35375S01	RES,CF,471-J-1/ 16-CP
	R1004	06E35484S01	RES,CF,22R-J-1/ 16-CP
	R1005	06E35484S01	RES,CF,22R-J-1/ 16-CP
	R1006	06E35375S01	RES,CF,471-J-1/ 16-CP
	R1007	06E35385S01	RES,CF,222-J-1/ 16-CP
	R1008	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1009	06E35385S01	RES,CF,222-J-1/ 16-CP
	R1010	06E35283S01	RES,CF,105-J-1/ 16-CP
	R1011	06E35273S01	RES,CF,472-J-1/ 16-CP
	R1012	06E35483S01	RES,CF,10R-J-1/ 16-CP
	R1013	06E35393S01	RES,CF,104-J-1/ 16-CP
	R1015	06E35238S01	RES,CF,223-J-1/ 16-CP
	R1016	06E35275S01	RES,CF,103-J-1/ 16-CP
	R1017	06E35257S01	RES,CF,101-J-1/ 16-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	R1018	06E35390S01	RES,CF,563-J-1/ 16-CP
	R1019	06E35273S01	RES,CF,472-J-1/ 16-CP
	R1020	06E35393S01	RES,CF,104-J-1/ 16-CP
	R1023	06E35274S01	RES,CF,562-J-1/ 16-CP
	R1024	06E35377S01	RES,CF,681-J-1/ 16-CP
	R1028	06E35393S01	RES,CF,104-J-1/ 16-CP
	R1029	06E35390S01	RES,CF,563-J-1/ 16-CP
	R1030	06E35274S01	RES,CF,562-J-1/ 16-CP
	R1034	06E35483S01	RES,CF,10R-J-1/ 16-CP
	R1037	06E35390S01	RES,CF,563-J-1/ 16-CP
	R1038	06E35483S01	RES,CF,10R-J-1/ 16-CP
	R1043	06E35485S01	RES,CF,4R7-J-1/ 16-CP
	R1044	06E35485S01	RES,CF,4R7-J-1/ 16-CP
	R1045	06E35483S01	RES,CF,10R-J-1/ 16-CP
	R1050	06E35276S01	RES,CF,123-J-1/ 16-CP
	R1061	06E35482S01	RES,CF 221-J-1/ 4-CP
	R1062	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1063	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1211	06E35385S01	RES,CF,222-J-1/ 16-CP
	R1215	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1216	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1217	06E35238S01	RES,CF,223-J-1/ 16-CP
	R1218	06E35379S01	RES,CF,102-J-1/ 16-CP
	R1219	06E35284S01	RES,CF,0R0-J-1/ 16-CP
	R1220	06E35284S01	RES,CF,0R0-J-1/ 16-CP

=======Connectors			
	CB1001	09E35481S01	BTB,IMSA9120S-15-DB
	CB1002	09E35498S01	FFC,IMSA9631S-40Y-901

*********FRONT P.W.Board**

=======IC			
	IC401	51T15186Y01	IC, LC75823W

=======Transistor			
	Q401	48E22555S01	TR,DTC 144EK-T146-CP

=======Diodes			
	D405	48T15707Y01	DIO MA133-TX-CP
	D406	48T15707Y01	DIO MA133-TX-CP
	D407	48T15707Y01	DIO MA133-TX-CP
	D408	48T15707Y01	DIO MA133-TX-CP

=======LED's

#1	LD401	48T25534Y03	LED,AMB AA1111C-CP
$1	LD401	48T65688Y01	LED,AMB SML-511DW-CP
#1	LD402	48T25534Y01	LED,GRN BG1111C-CP
$1	LD402	48T25534Y02	LED RED BR1111C-CP
#1	LD403	48T25534Y01	LED,GRN BG1111C-CP
$1	LD403	48T25534Y02	LED RED BR1111C-CP
#1	LD404	48T25534Y01	LED,GRN BG1111C-CP
$1	LD404	48T25534Y02	LED RED BR1111C-CP
#1	LD405	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD405	48T25662Y03	LED,RED HBR1105W-CP
#1	LD406	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD406	48T25662Y03	LED,RED HBR1105W-CP
#1	LD407	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD407	48T25662Y03	LED,RED HBR1105W-CP
#1	LD408	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD408	48T25662Y03	LED,RED HBR1105W-CP
#1	LD409	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD409	48T25662Y03	LED,RED HBR1105W-CP
#1	LD410	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD410	48T25662Y03	LED,RED HBR1105W-CP
#1	LD411	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD411	48T25662Y03	LED,RED HBR1105W-CP
#1	LD412	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD412	48T25662Y03	LED,RED HBR1105W-CP
#1	LD413	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD413	48T25662Y03	LED,RED HBR1105W-CP
#1	LD414	48T25662Y01	LED,GRN HBG1105W-CP
$1	LD414	48T25662Y03	LED,RED HBR1105W-CP

=======Lamps			
#1	PL401	65T65423Y01	LAMP,GRN 9-85-R2
$1	PL401	65T65423Y02	LAMP,RED 9-85-R2
#1	PL404	65T55351Y01	LAMP,GRN 6-80-E5
$1	PL404	65T55351Y02	LAMP,RED 6-80-E5

=======Switches			
	SW404	40E35251S01	SW,TACT SKQMAJ001-E2 (PLAY/ PAUSE/ TUNE/ A.ME)
	SW405	40E35251S01	SW,TACT SKQMAJ001-E2 (BAND/ TEL.)
	SW406	40E35251S01	SW,TACT SKQMAJ001-E2 (SOURCE/ PWR)
	SW407	40E35251S01	SW,TACT SKQMAJ001-E2 (bass engine)
	SW408	40E35251S01	SW,TACT SKQMAJ001-E2 (FWD/ UP)
	SW409	40E35251S01	SW,TACT SKQMAJ001-E2 (BWD/ DOWN)
	SW410	40E35251S01	SW,TACT SKQMAJ001-E2 (FUNC)
	SW411	40E35251S01	SW,TACT SKQMAJ001-E2 (T.INFO/ ANNC.)
	SW412	40E35251S01	SW,TACT SKQMAJ001-E2 (V.SEL)
	SW413	40E35251S01	SW,TACT SKQMAJ001-E2 (3/ P.PTY)
	SW414	40E35251S01	SW,TACT SKQMAJ001-E2 (2/ PTY/ FOLDER-UP)
	SW415	40E35251S01	SW,TACT SKQMAJ001-E2 (1/ AF/ FOLDER-DN)
	SW416	40E35251S01	SW,TACT SKQMAJ001-E2 (6/ SCAN)

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

	SW417	40E35251S01	SW,TACT SKQMAJ001-E2 (5/ REPEAT)
	SW418	40E35251S01	SW,TACT SKQMAJ001-E2 (4/ M.I.X.)

=======Capacitors			
	C401	08S35349Y17	CAP,CER 225K-B0J-CP(1608)
	C405	08E35248S01	CAP,CER 473-K-B1E-CP
	C406	08E35248S01	CAP,CER 473-K-B1E-CP
	C407	08E35248S01	CAP,CER 473-K-B1E-CP
	C408	08E35247S01	CAP,CER 681-J-CG1H-CP
	C441	08E22085S01	CAP,CER.21-X7R-223-K-CP

=======Resistors			
	R401	06E35233S01	RES,CF,102-J-1/ 10-CP
	R402	06E35233S01	RES,CF,102-J-1/ 10-CP
	R403	06E35233S01	RES,CF,102-J-1/ 10-CP
	R404	06E35233S01	RES,CF,102-J-1/ 10-CP
	R405	06E35235S01	RES,CF 102-J-1/ 4-CP
	R406	06E35250S01	RES,CF,393-J-1/ 10-CP
	R407	06E35249S01	RES,CF,101-J-1/ 10-CP
	R410	06E35243S01	RES,CF,752-F-1/ 16-CP
	R411	06E35242S01	RES,CF,432-F-1/ 16-CP
	R412	06E35241S01	RES,CF,332-F-1/ 16-CP
	R413	06E35240S01	RES,CF,222-F-1/ 16-CP
	R414	06E35239S01	RES,CF,182-F-1/ 16-CP
	R415	06E35234S01	RES,CHIP 1/ 10W-F-1.3K
	R416	06E35245S01	RES,CF,393-F-1/ 16-CP
	R417	06E35244S01	RES,CF,153-F-1/ 16-CP
	R418	06E35243S01	RES,CF,752-F-1/ 16-CP
	R419	06E35242S01	RES,CF,432-F-1/ 16-CP
	R420	06E35241S01	RES,CF,332-F-1/ 16-CP
	R421	06E35240S01	RES,CF,222-F-1/ 16-CP
	R422	06E35239S01	RES,CF,182-F-1/ 16-CP
	R423	06E35234S01	RES,CHIP 1/ 10W-F-1.3K
	R424	06E35246S01	RES,CF,433-F-1/ 16-CP
#1	R441	06E35236S01	RES,CF 152-J-1/ 4-CP
$1	R441	06E35523S01	RES,CF 242-J-1/ 4-CP
#1	R442	06E35236S01	RES,CF 152-J-1/ 4-CP
$1	R442	06E35523S01	RES,CF 242-J-1/ 4-CP
#1	R443	06E35235S01	RES,CF 102-J-1/ 4-CP
$1	R443	06E35522S01	RES,CF 162-J-1/ 4-CP
#1	R444	06E35235S01	RES,CF 102-J-1/ 4-CP
$1	R444	06E35522S01	RES,CF 162-J-1/ 4-CP
#1	R445	06E35236S01	RES,CF 152-J-1/ 4-CP
$1	R445	06E35368S01	RES,CF 103-J-1/ 4-CP
#1	R446	06E35236S01	RES,CF 152-J-1/ 4-CP
$1	R446	06E35368S01	RES,CF 103-J-1/ 4-CP
#1	R447	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R447	06E35525S01	RES,CF 682-F-1/ 4-CP
#1	R448	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R448	06E35525S01	RES,CF 682-F-1/ 4-CP
#1	R449	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R449	06E35526S01	RES,CF 752-F-1/ 4-CP
#1	R450	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R450	06E35526S01	RES,CF 752-F-1/ 4-CP
#1	R471	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R471	06E35524S01	RES,CF 362-F-1/ 4-CP
#1	R472	06E35237S01	RES,CF 102-F-1/ 4-CP
$1	R472	06E35524S01	RES,CF 362-F-1/ 4-CP
	RA402	06E32294S01	RES ARY MNR102J 4-CP

*********TOP P.W.Board**

=======IC's			
	IC451	51T25419Y01-0	RS-181-NE6
	IC452	51T55639W03	RS-151-NE5

=======Transistors			
	Q451	48E35263S01	TR,DTA143EE-TL-CP
	Q452	48E35264S01	TR,DTC124EE-TL-CP
	Q457	48E35265S01	TR,DTC114EE-TL-CP
	Q458	48E35266S01	TR,UMC2N-TR-CP

=======LED's			
	LD451	48T25534Y01	LED,GRN BG1111C-CP
	LD452	48T25534Y01	LED,GRN BG1111C-CP
	LD453	48T25534Y01	LED,GRN BG1111C-CP
	LD454	48T25534Y01	LED,GRN BG1111C-CP
	LD455	48T25534Y01	LED,GRN BG1111C-CP
	LD456	48T25534Y01	LED,GRN BG1111C-CP
	LD461	48T25454Y01	LED,GRN BG1101F-CP

=======Switches			
	SW451	40E35267S01	SW,TACT SKQGAC-E2 (TILT UP)
	SW452	40E35267S01	SW,TACT SKQGAC-E2 (TILT DOWN)
	SW453	40E35267S01	SW,TACT SKQGAC-E2 (OPEN/ CLOSE SLIDE)
	SW454	40E35267S01	SW,TACT SKQGAC-E2 (MUTE/ SETUP)
	SW455	40E35267S01	SW,TACT SKQGAC-E2 (TITLE/ CLOCK)

=======Capacitors			
	C451	08S35349Y17	CAP,CER 225K-B0J-CP(1608)
	C455	08E35262S01	CAP,CER 223-K-B1H-CP

=======Resistors			
	R451	06E35258S01	RES,CF,272-J-1/ 16-CP
	R452	06E35259S01	RES,CF,392-J-1/ 16-CP
	R453	06E35260S01	RES,CF,822-J-1/ 16-CP
	R454	06E35261S01	RES,CF,273-J-1/ 16-CP
#1	R455	06E35255S01	RES,CF 621-F-1/ 4-CP
$1	R455	06E35529S01	RES,CF 242-F-1/ 4-CP
#1	R456	06E35254S01	RES,CF 471-F-1/ 4-CP

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.

$1	R456	06E35528S01	RES,CF 162-F-1/ 4-CP
#1	R457	06E35253S01	RES,CF 202-J-1/ 4-CP
$1	R457	06E35527S01	RES,CF 682-J-1/ 4-CP
#1	R458	06E35253S01	RES,CF 202-J-1/ 4-CP
$1	R458	06E35527S01	RES,CF 682-J-1/ 4-CP
	R461	06E35256S01	RES,CF,47R-J-1/ 16-CP
	R462	06E35257S01	RES,CF,101-J-1/ 16-CP
	R463	06E35257S01	RES,CF,101-J-1/ 16-CP

=======Connector			
	CH451	09T15153Y10	FFC,FH12-10S-E5

*******Miscellaneous			
	ANT101	09E35344S01	ANT,RECEPTACLE-DB
	CB502	09T15299Y15	BTB,TMD-V15X-B1-DB
	CB801	09E23591S01	CONN,SK2531-16-S.P-T.T
	CH401	09T15298Y15	BTB, TMD-V15P-A1-B
	ET200	01E35335S01	ASS'Y AUX/ REM (REMO-CON JACK/ AUX-1 INPUT)
	ET202	01E35513S01	ASS'Y WIRE REM/ RCA(RO) (R-OUT/ SUB.W/ REM OUT)
	ET302	01E35333S01	ASS'Y DIN 13P/ 8P
#1	LCD401	65T85233W04	LCD,WTD-21525AA
$1	LCD401	65T85233W05	LCD,WTD-21525ABHU
	LCD7001	01T25528Y02	LCD,LQ065T5GG01B
	M5904	44A22059Y01	GEAR,L-MOTOR ASSY (7V-370mA/ TILT MOTOR)
	M5905	44A22060Y01	GEAR,T-MOTOR ASSY (7V-370mA/ LOAD MOTOR)
	M5906	44A22060Y01	GEAR,T-MOTOR ASSY (7V-370mA/ LOAD MOTOR)
	SW401	40E35232S01	ENC,EC11E15444-DB (ROTARY ENCODER/ MODE/ FILE)

#1: For CVA-1004R Model Only, $1: For CVA-1004RR Model Only, Others: Common.